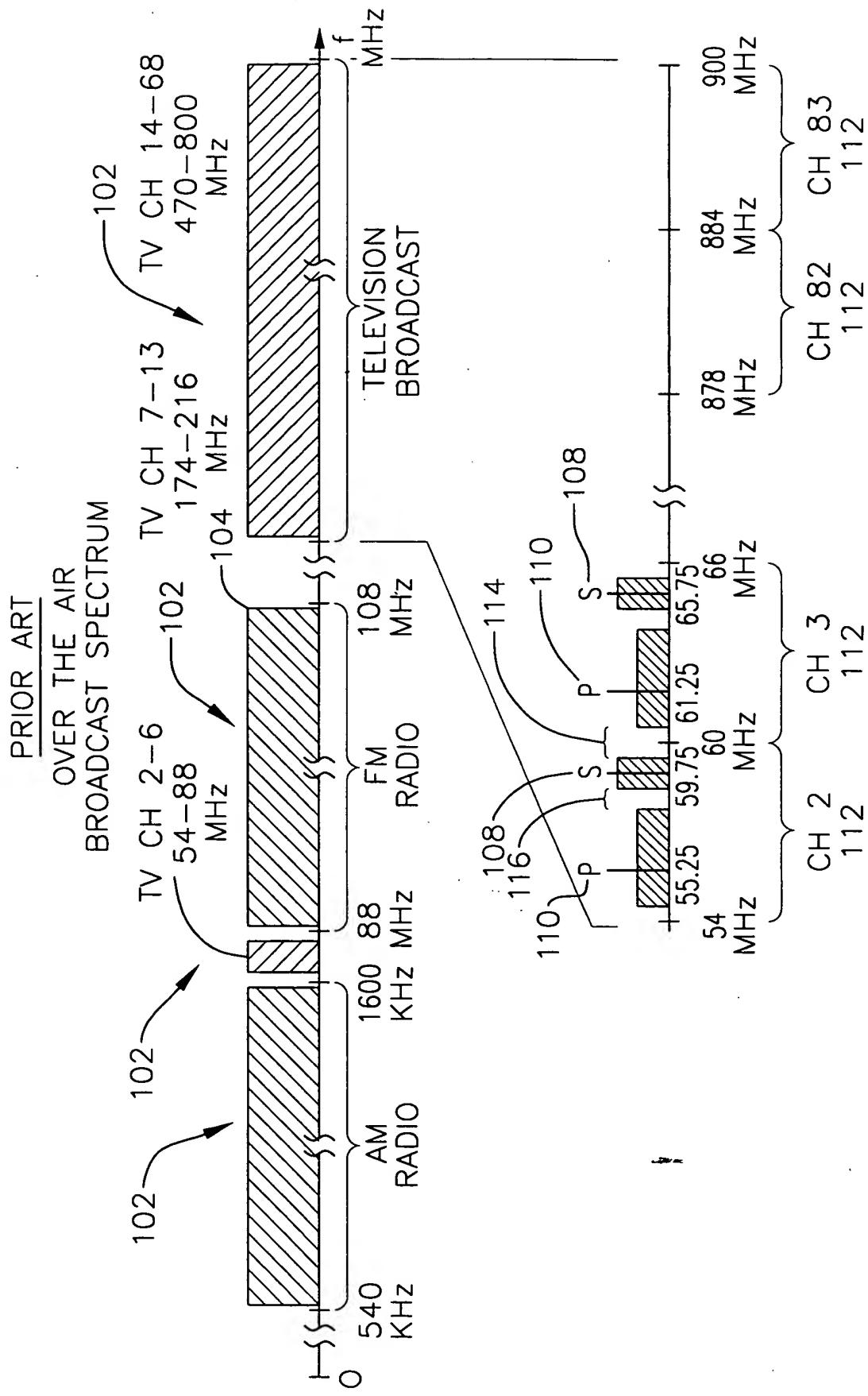


FIG. 1



TELETYPE 24099260

FIG.2

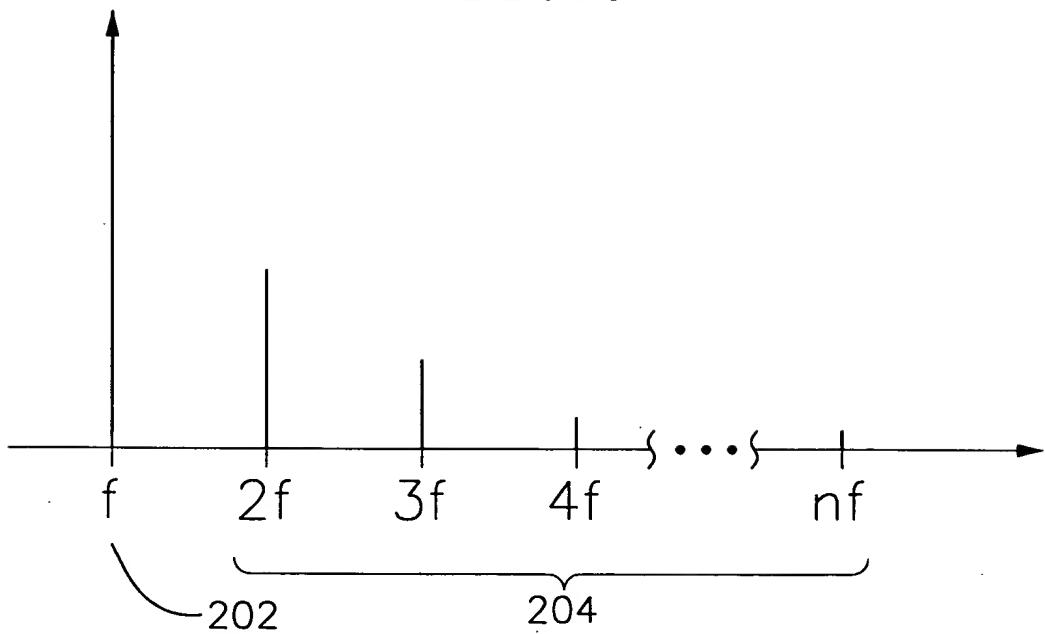
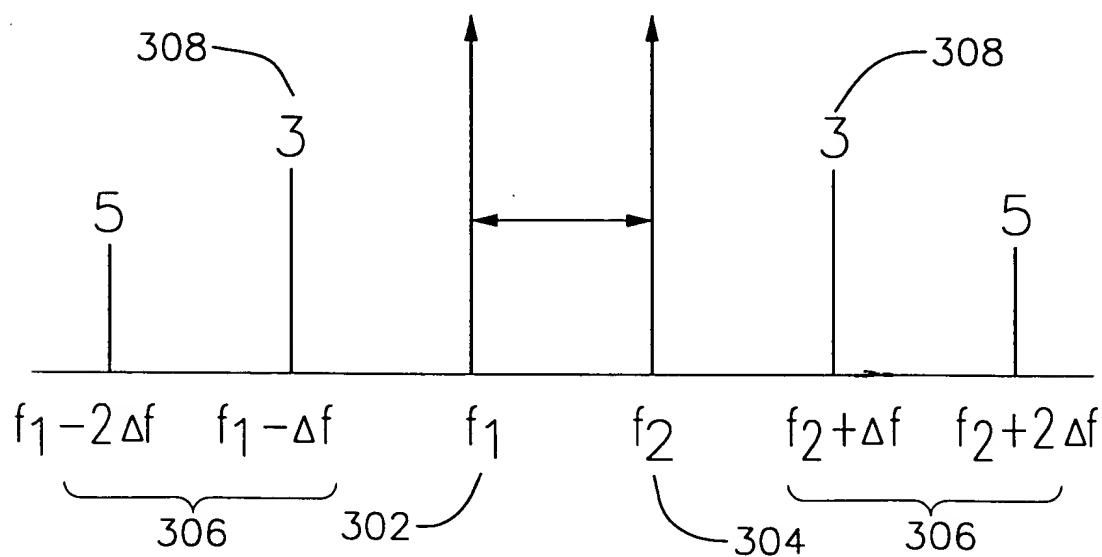


FIG.3
PRIOR ART



F D G T F D " S t r i p 3 9 x 6 0

FIG. 4
PRIOR ART

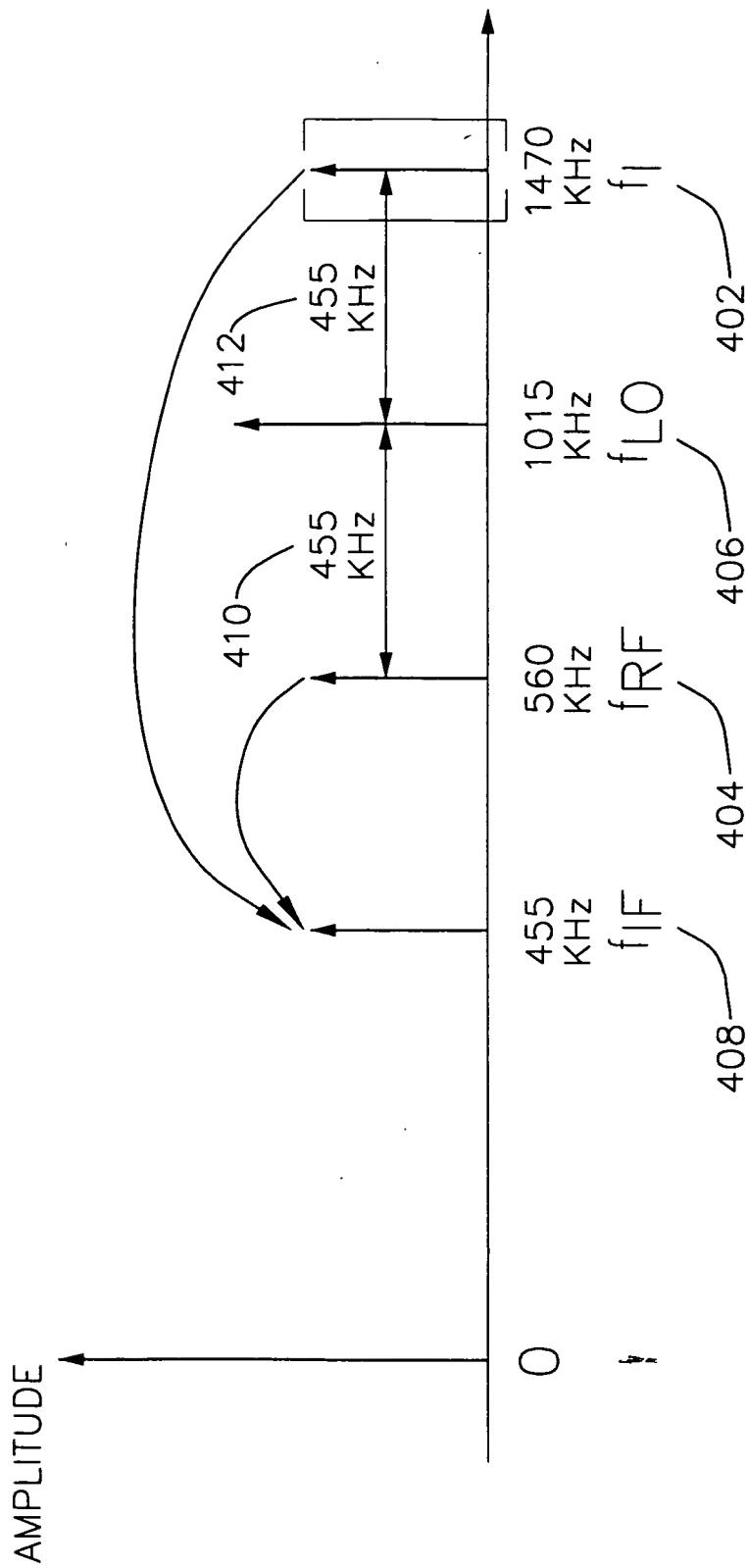


FIG. 5
DUAL CONVERSION RECEIVER

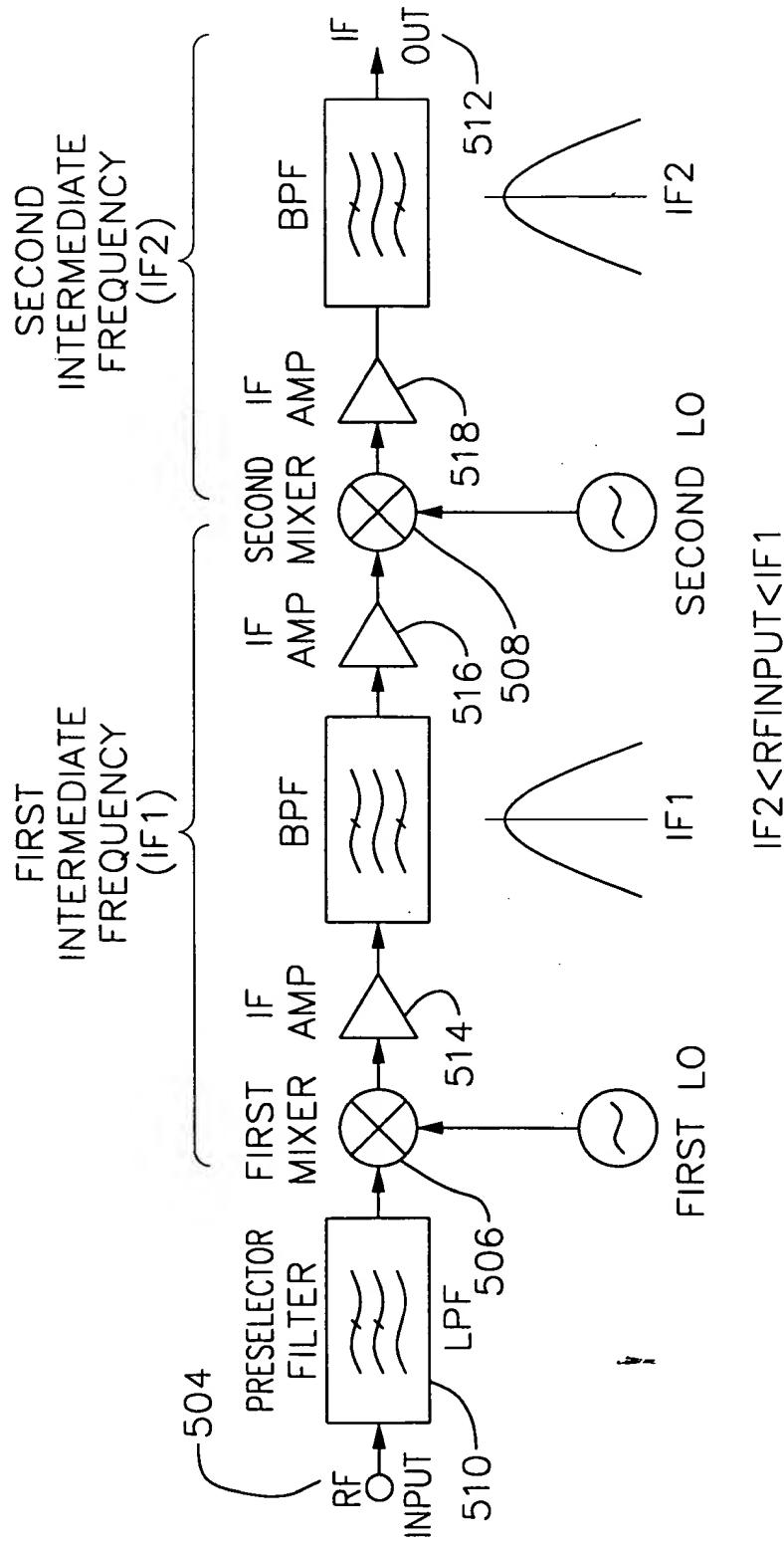
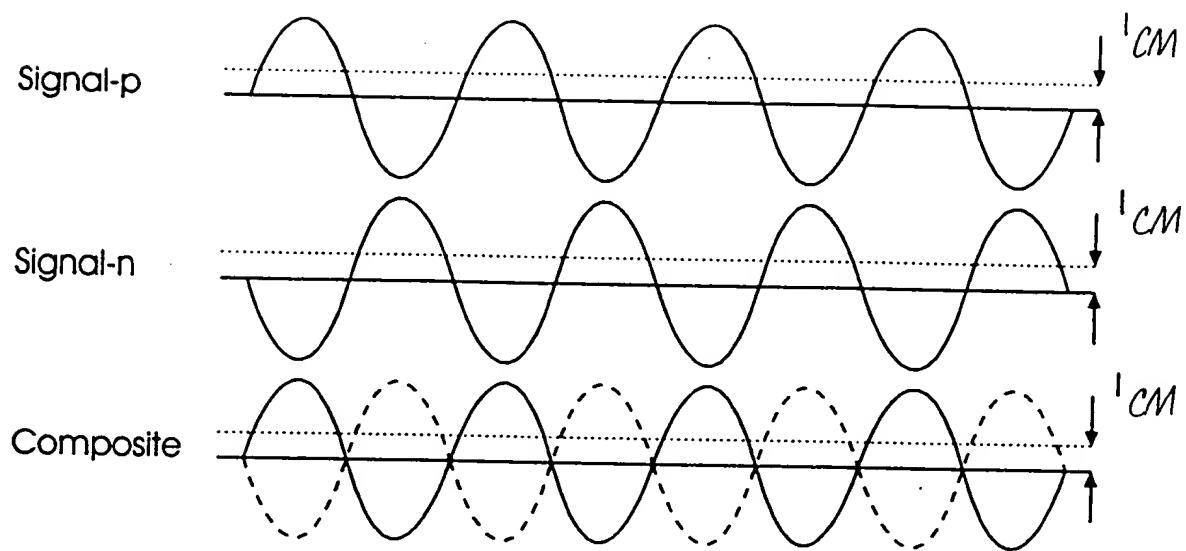
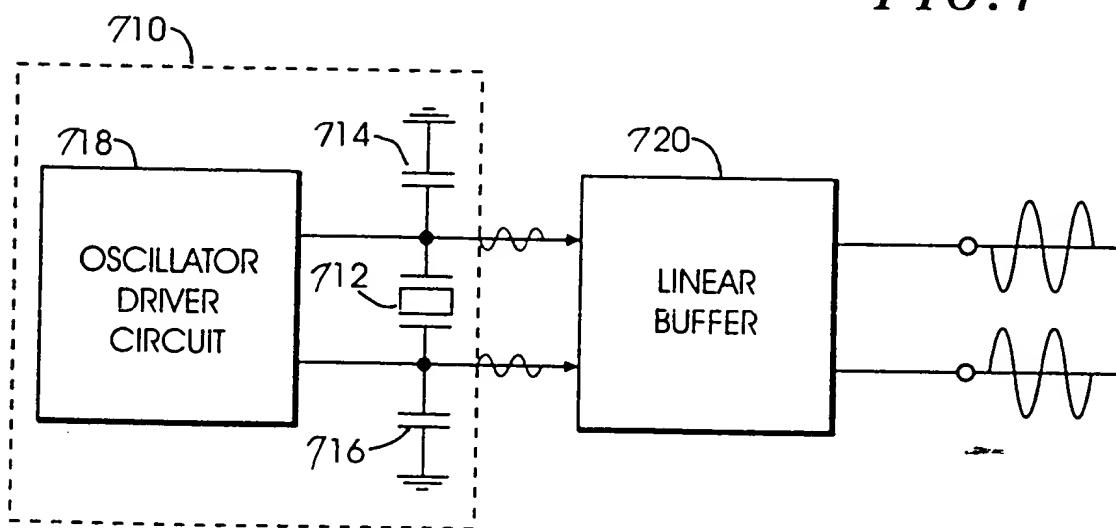


FIG. 6



09766048.011901

FIG. 7



0976048 . 011901

FIG. 8

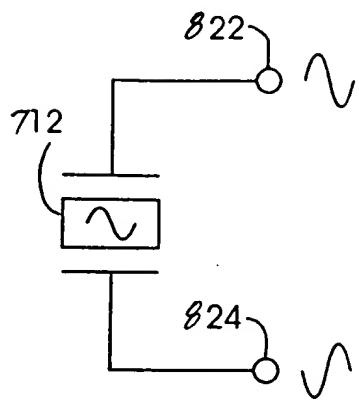


FIG. 9

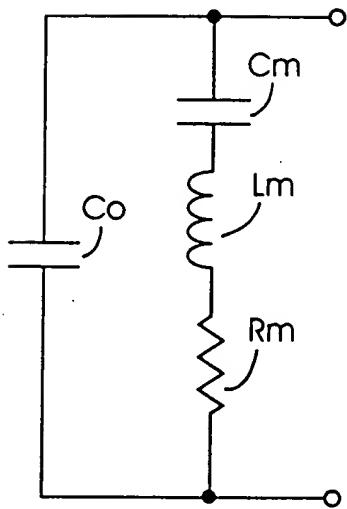


FIG. 10

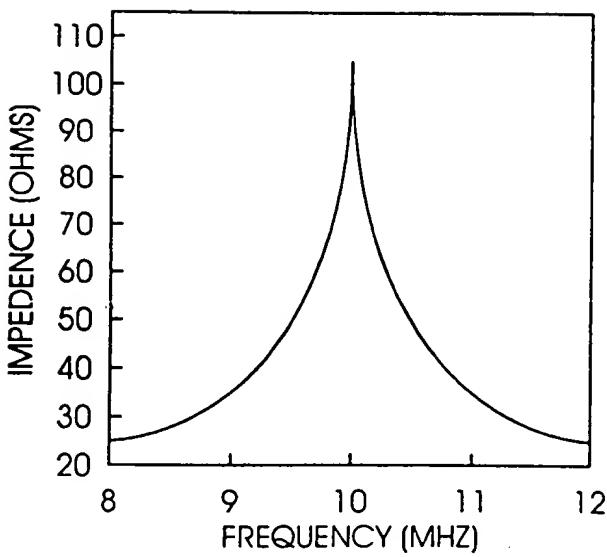


FIG. 11

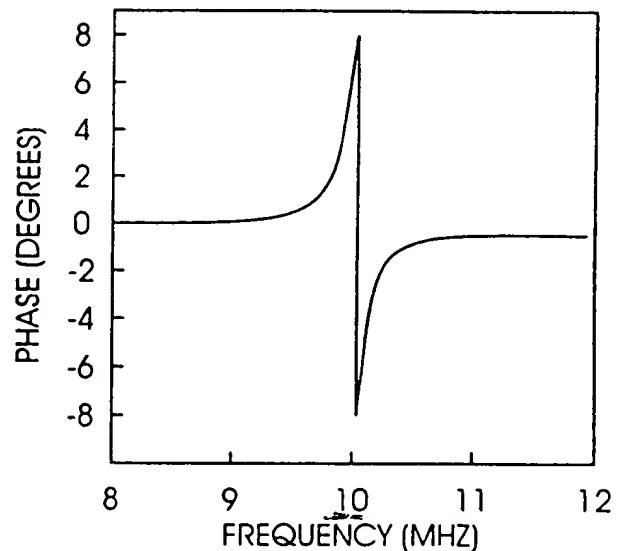


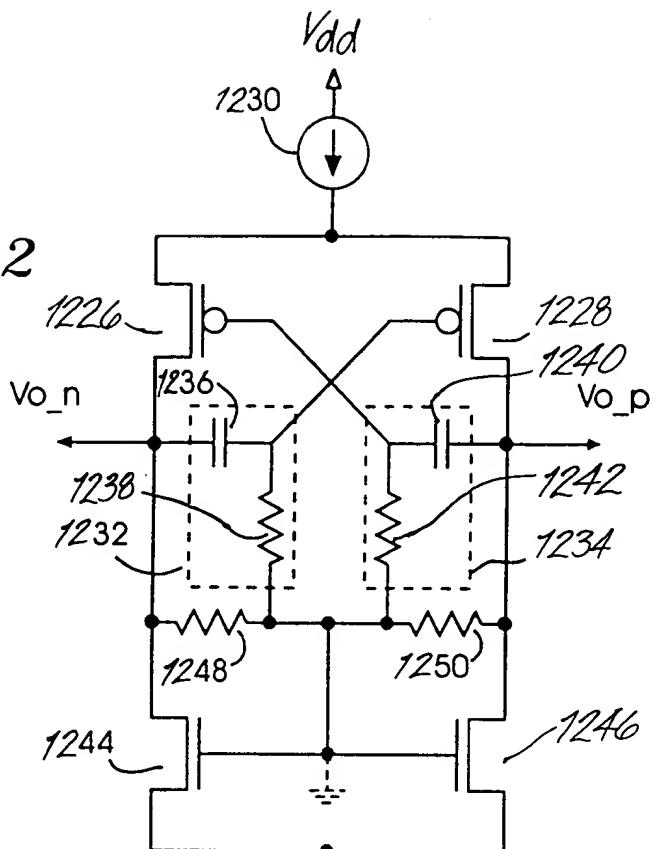
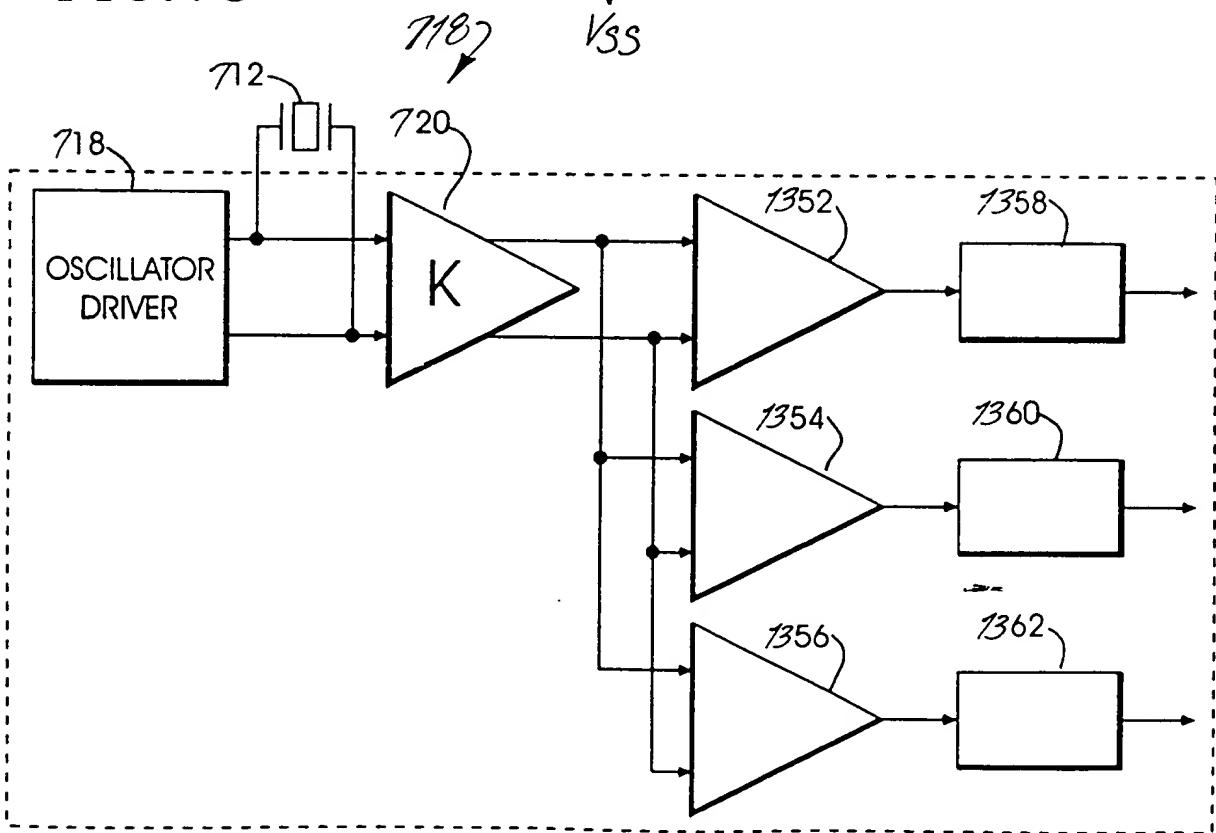
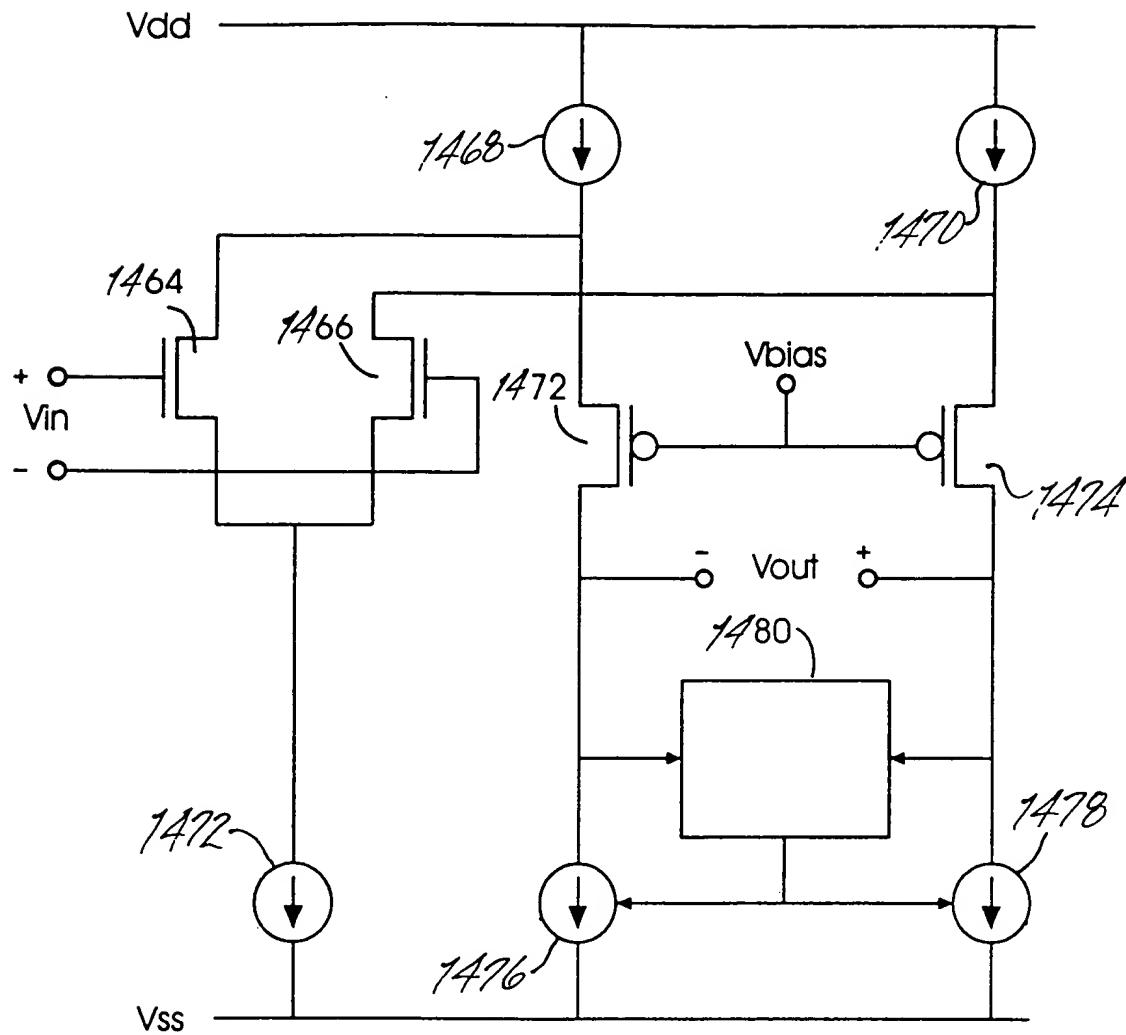
FIG. 12*FIG. 13*

FIG. 14

09766048 "011991



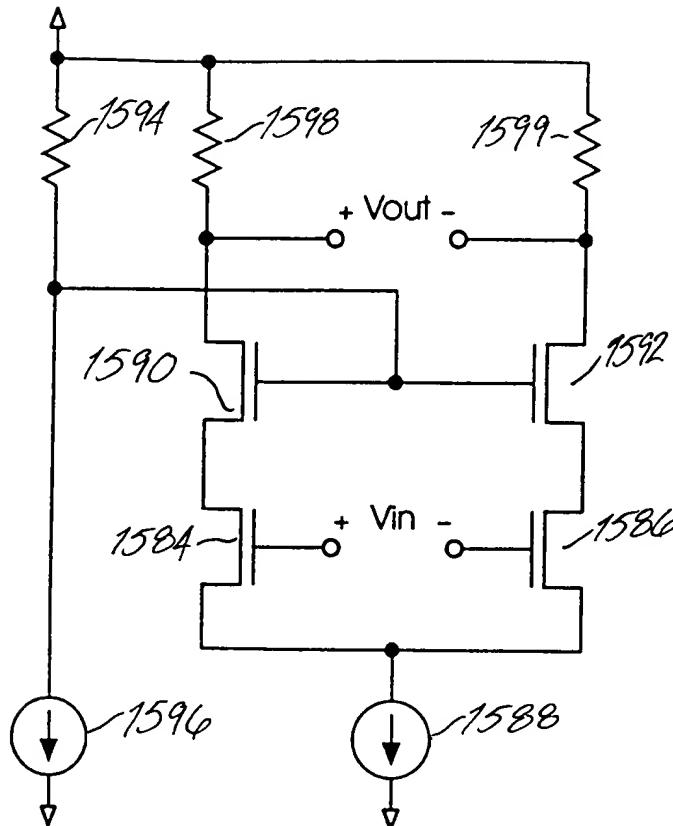


FIG. 15

09/26/2018 . 09:19:01

FIG. 16

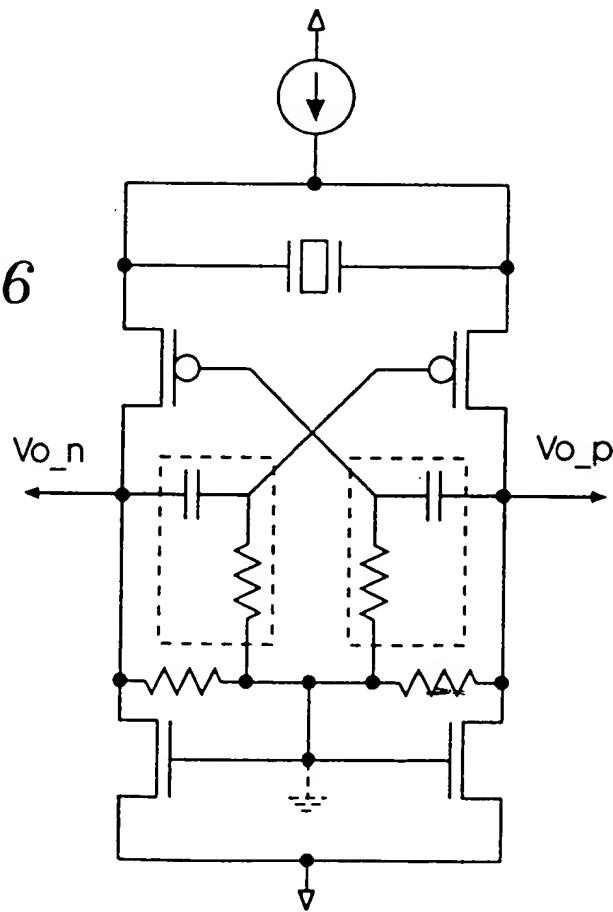
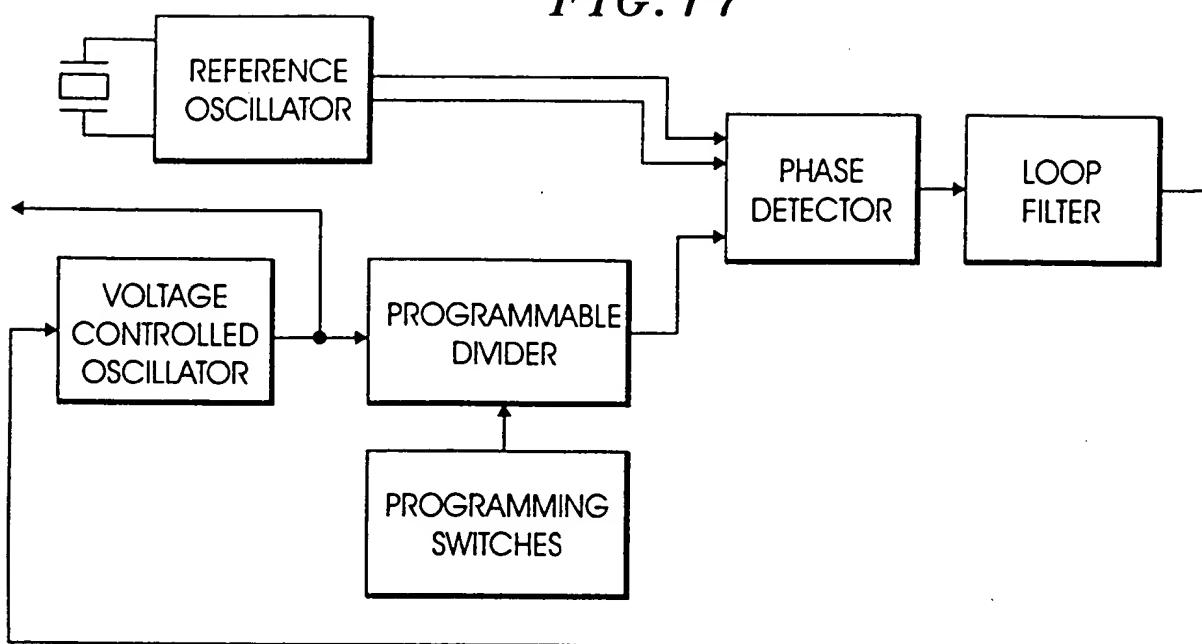


FIG. 17



09766048 - 011901

FIG. 18

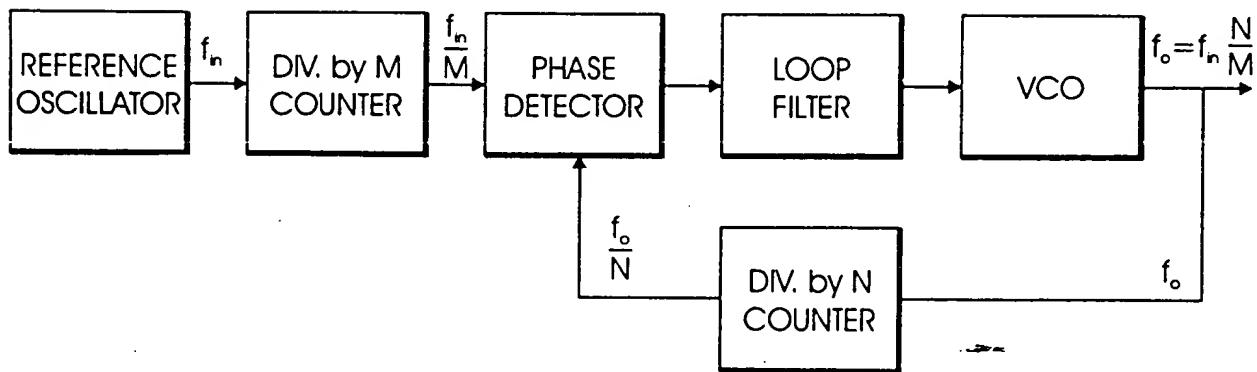
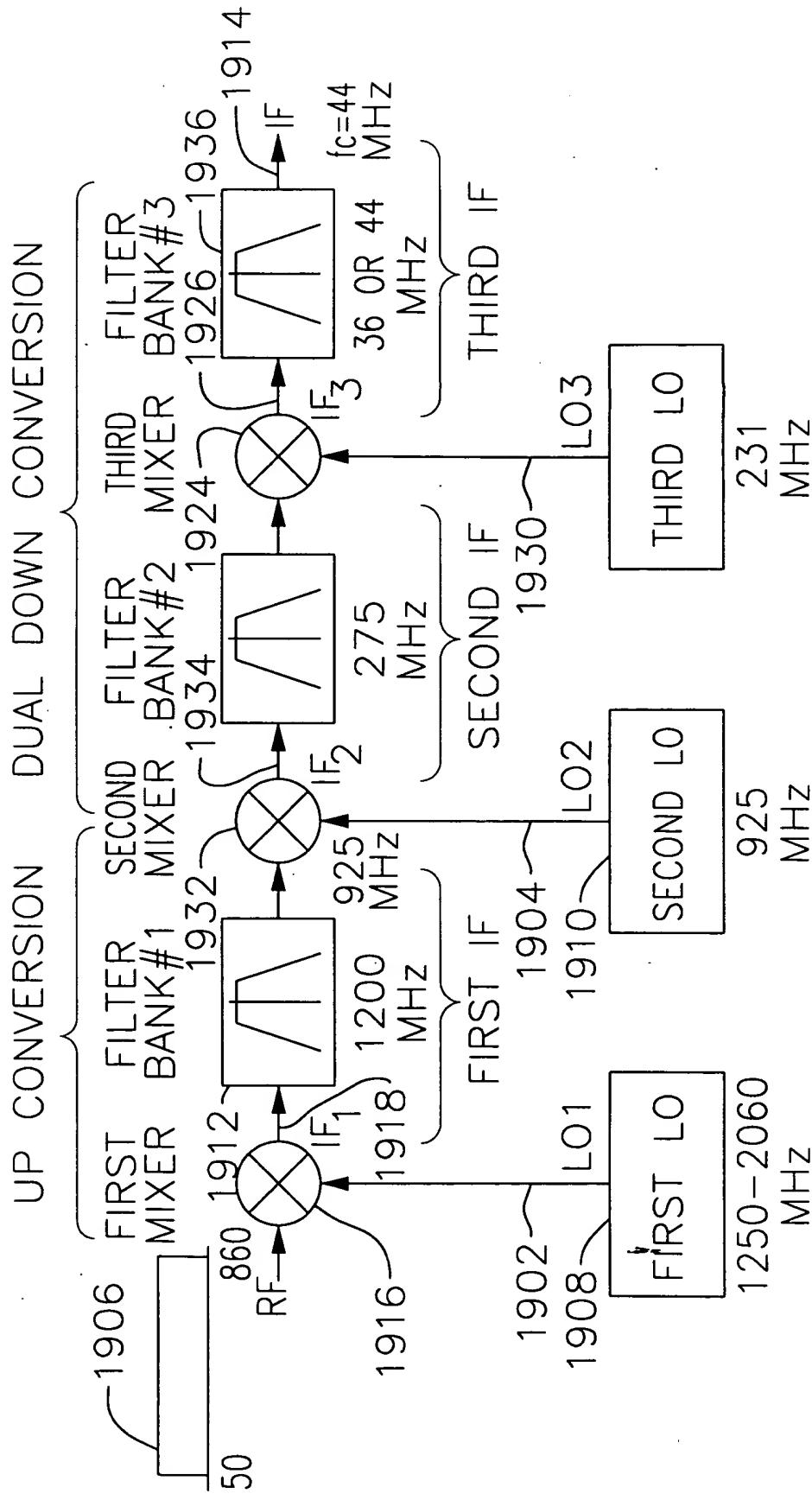


FIG. 19



09.06.04.3 "ОПЛЕД"

FIG. 20

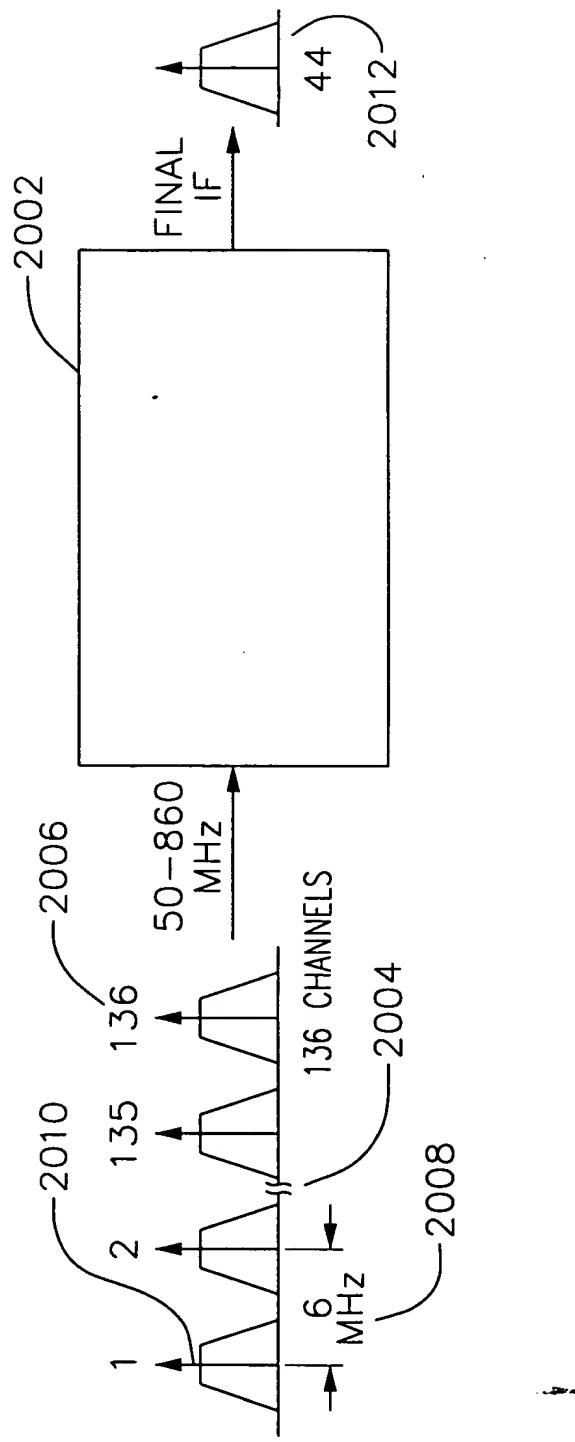


FIGURE 21 " 8410539260

FIG.21

PPL Xtal REFERENCE=10MHz
LO-1, 10MHz FREQUENCY STEPS
LO-2, 100kHz FREQUENCY STEPS
44MHz IF

TABLE OF FREQUENCIES BASED ON
COARSE/FINE PLL SOLUTION:

Fr _f (MHz)	50	56	62	68	74	80	86	92	98	104	110	116	122	128	"	854	860
LO-1(MHz)	1250	1260	1270	1270	1280	1290	1290	1300	1300	1310	1320	1320	1330	"	2050	2060	
IF-1 (MHz)	1200	1204	1198	1202	1196	1200	1204	1198	1202	1196	1200	1204	1198	1202	"	1196	1200
LO-2(MHz)	924.8	928.0	923.2	926.4	921.6	924.8	928.0	923.2	926.4	921.6	924.8	928.0	923.2	926.4	"	921.6	924.8
IF-2(MHz)	275.2	276.0	274.8	275.6	274.4	275.2	276.0	274.8	275.6	274.4	275.2	276.0	274.8	275.6	"	274.4	275.2
LO-3(MHz)	231.2	232	230.8	232	230	231	232	231	232	230	231	232	231	232	"	230	231
IF-3(MHz)	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	"	44.0	44.0

2102

NOTE
• LO-2 REF=100KHz,
SO DIVIDE RANGE=9216 TO 9280

F05TFD "BHD 59260

FIG. 22

PPL Xtal REFERENCE=10MHz
LO-1, 10MHz FREQUENCY STEPS
LO-2, 100kHz FREQUENCY STEPS
36MHz IF

TABLE OF FREQUENCIES BASED ON
COARSE/FINE PLL SOLUTION:

NOTE
• LO-2 REF=100kHz,
SO DIVIDE RANGE=9280 TO 9340

Frf (MHz)	50	58	66	74	82	90	98	106	114	122	130	138	146	154	"	852	860	
LO-1(MHz)	1250	1260	1270	1270	1280	1290	1300	1310	1310	1320	1330	1340	1350	1350	"	2050	2060	
IF-1 (MHz)	1200	1202	1204	1196	1198	1200	1202	1204	1196	1198	1200	1202	1204	1196	"	1198	1200	
LO-2(MHz)	931.2	932.8	934.4	928.0	930	931	933	934	928.0	930	931	933	934	928.0	"	929.60	931.2	
IF-2(MHz)	268.8	269.2	269.6	268.0	268.4	268.8	269.2	269.6	268.0	268.4	268.8	269.2	269.6	268.0	"	268.4	268.8	
LO-3(MHz)	232.8	233.2	233.6	232	232	233	233	234	234	232	232	233	233	234	232.0	"	232.4	232.8
IF-3(MHz)	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	"	36.0	36.0	

FIG.23

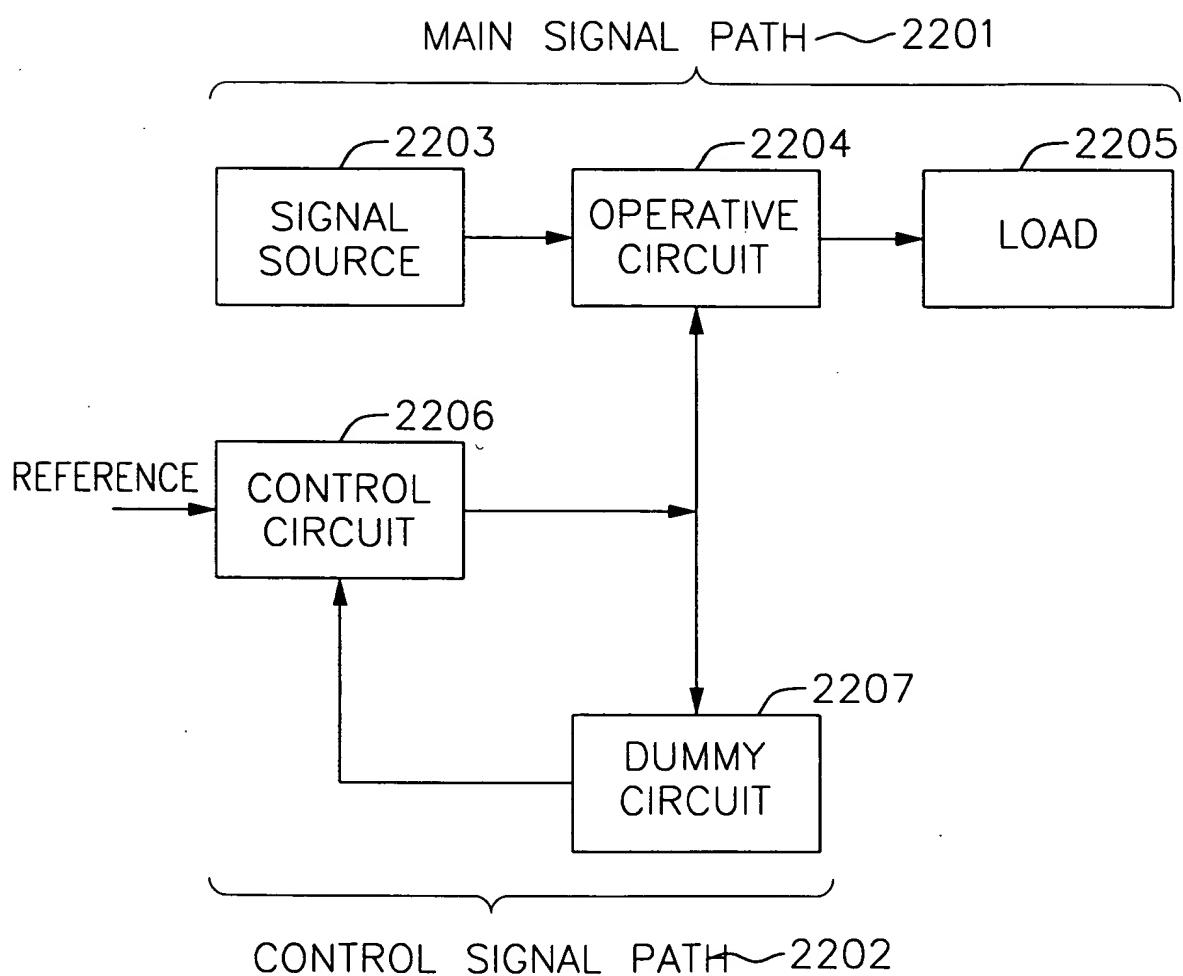


FIG.24a

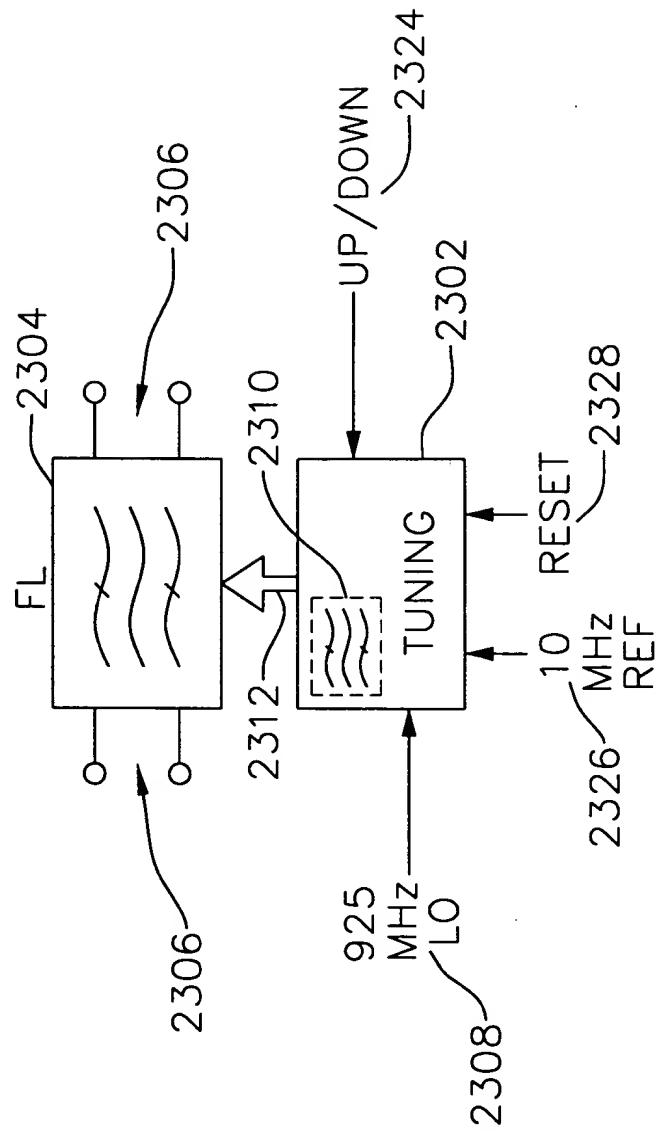


FIG. 24b

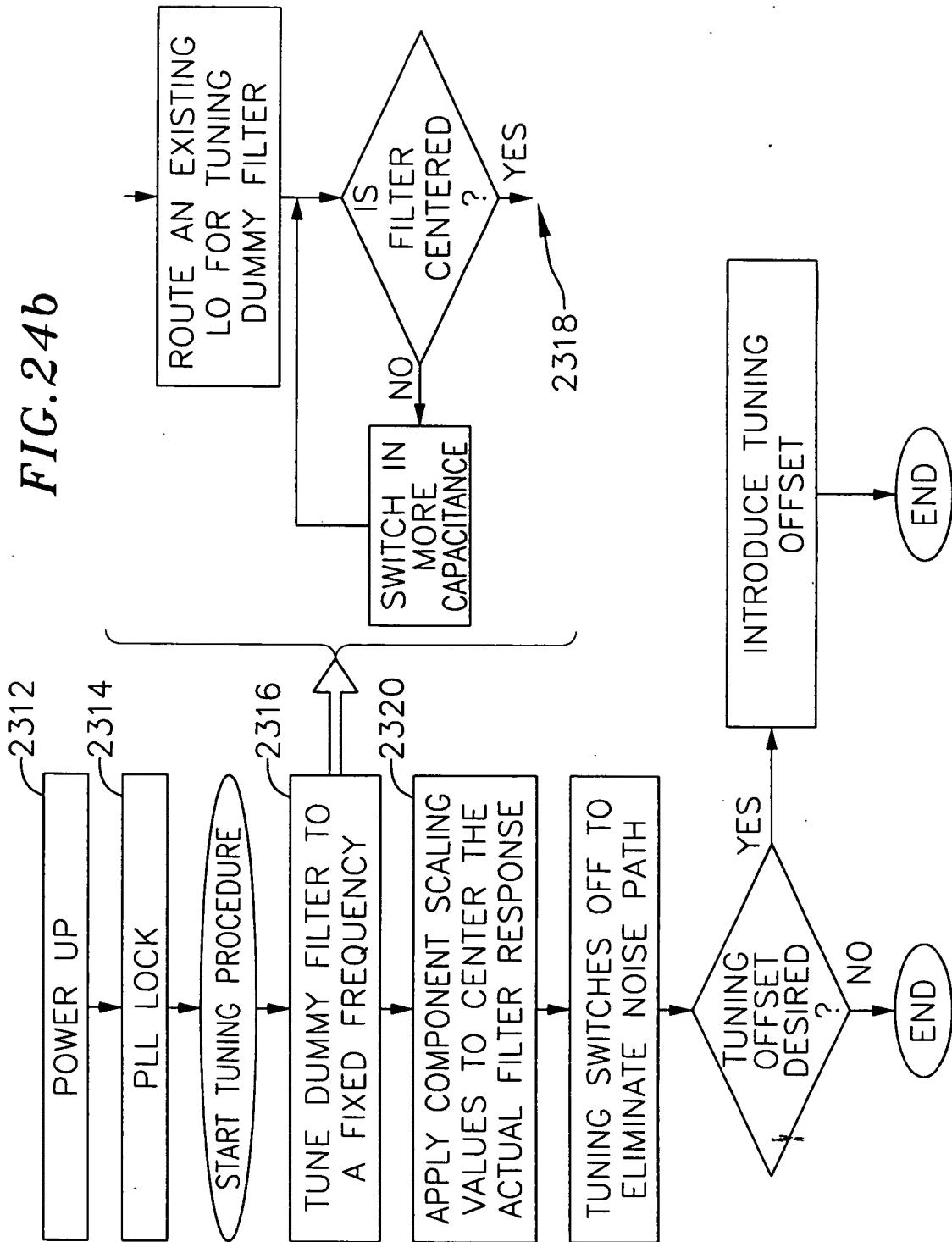


FIG. 24c

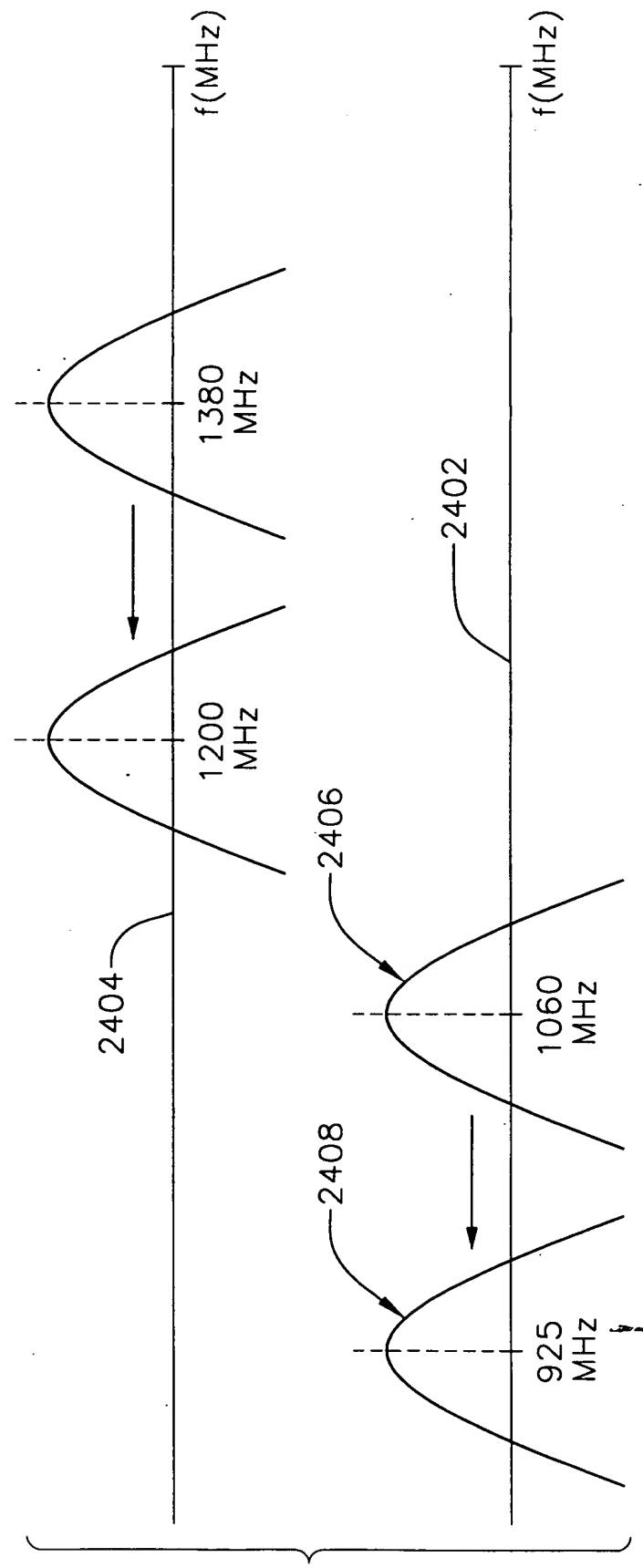
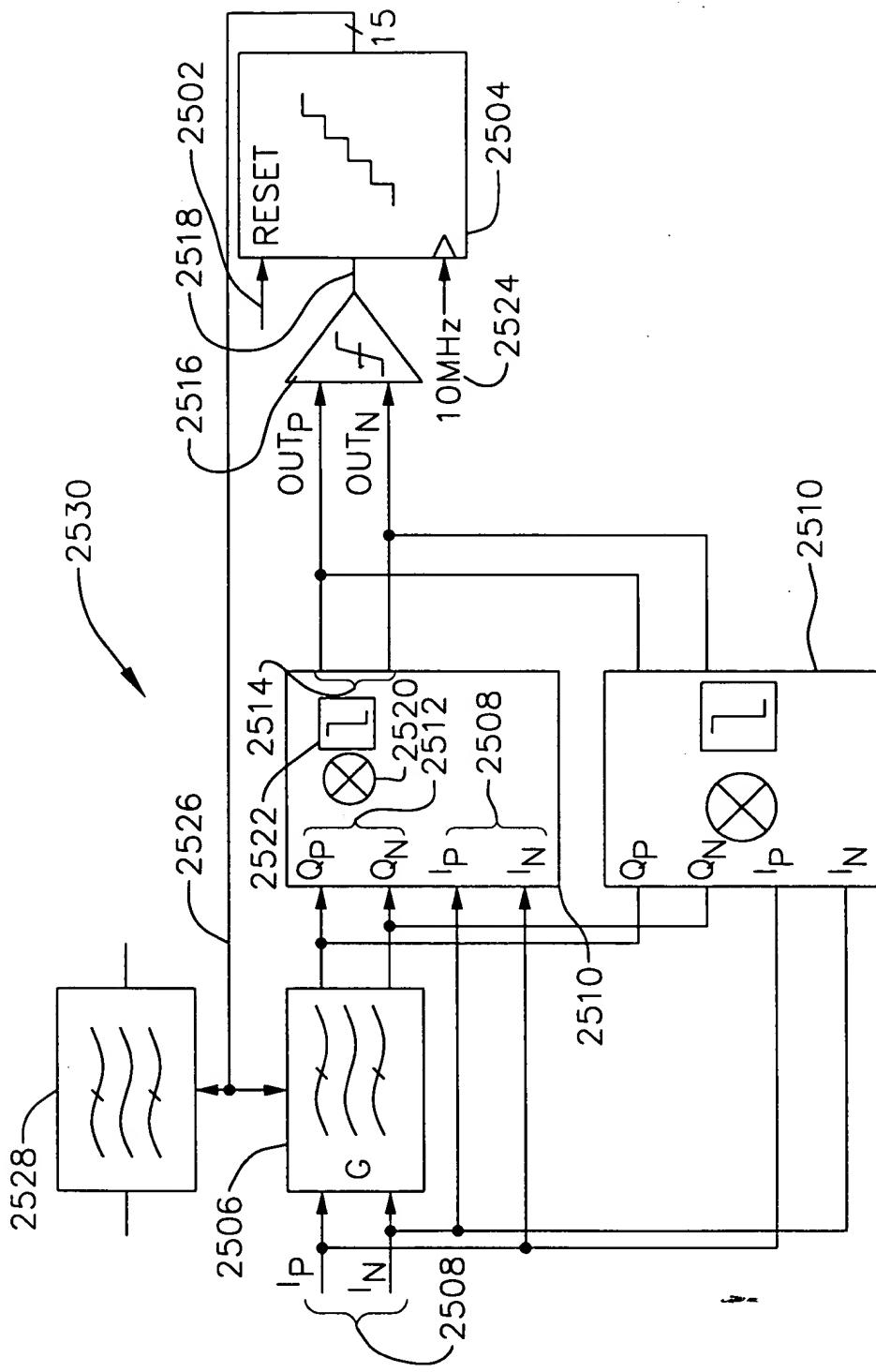


FIG. 25



09766048 - 011901

FIG. 26

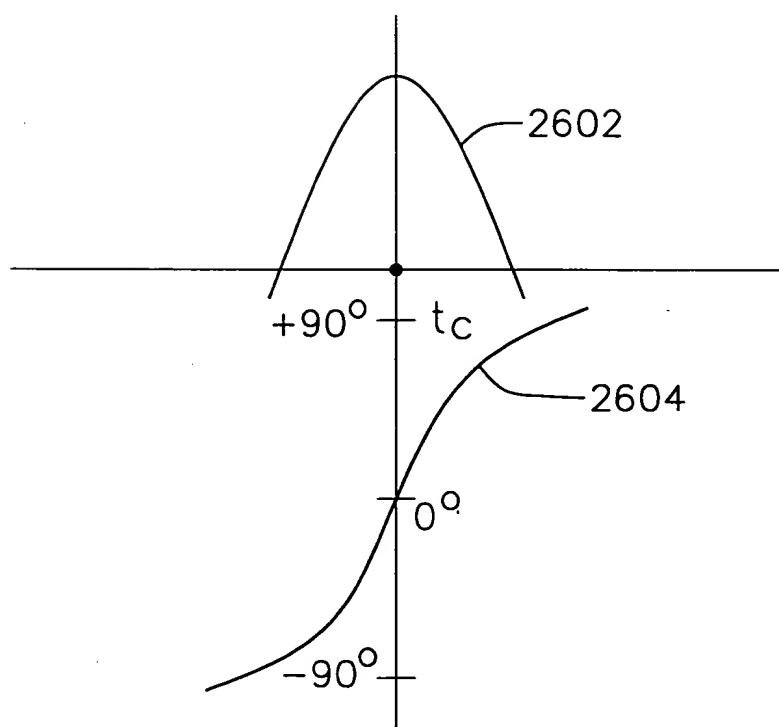
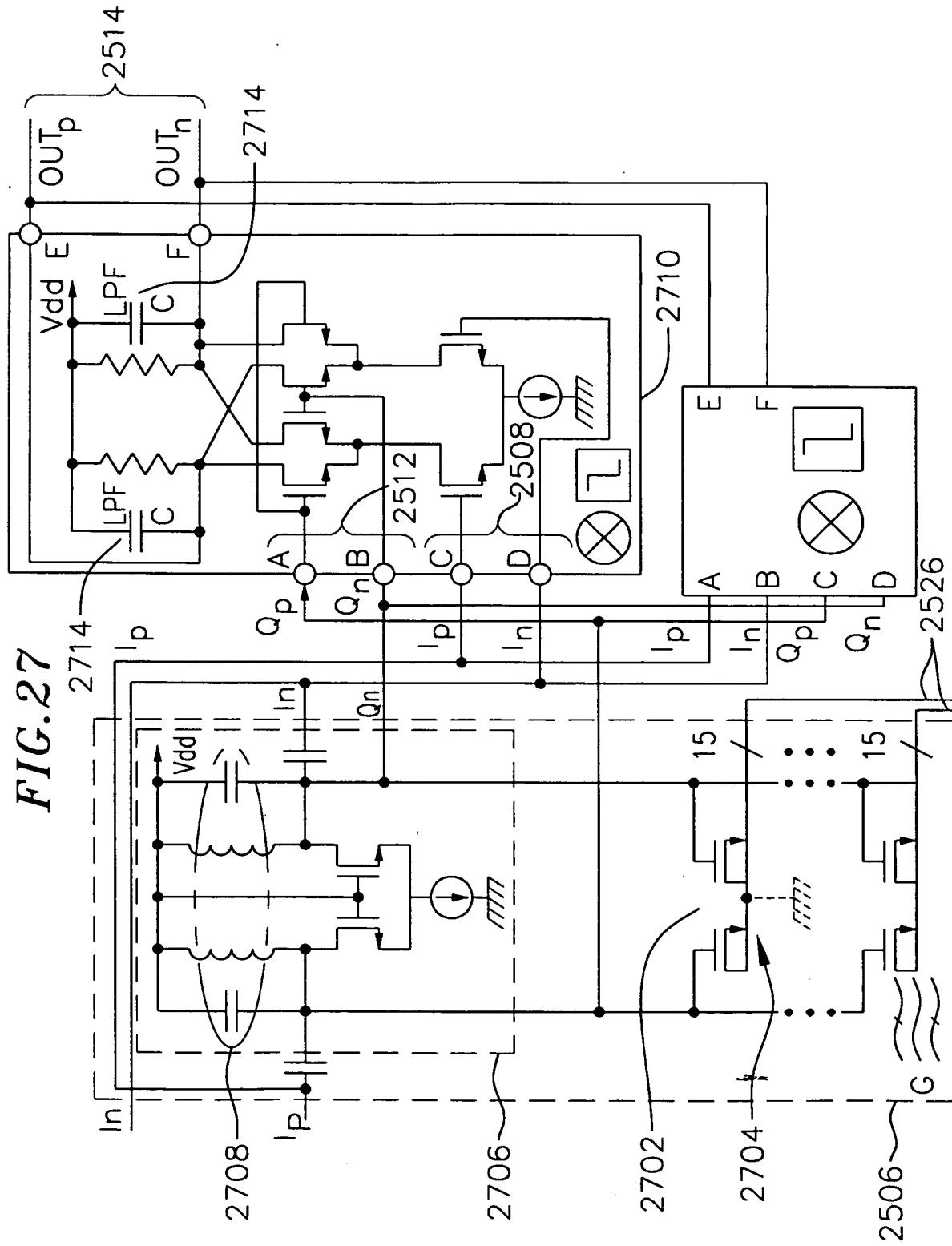
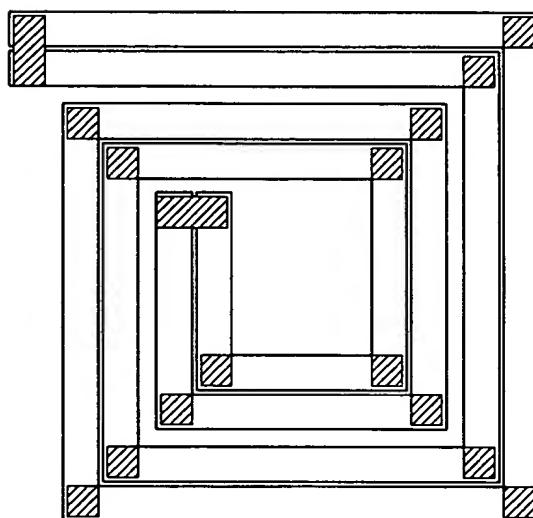


FIG. 27



09766043 „C.I.L.G01

FIG.28



09265048 - 041300

FIG. 29

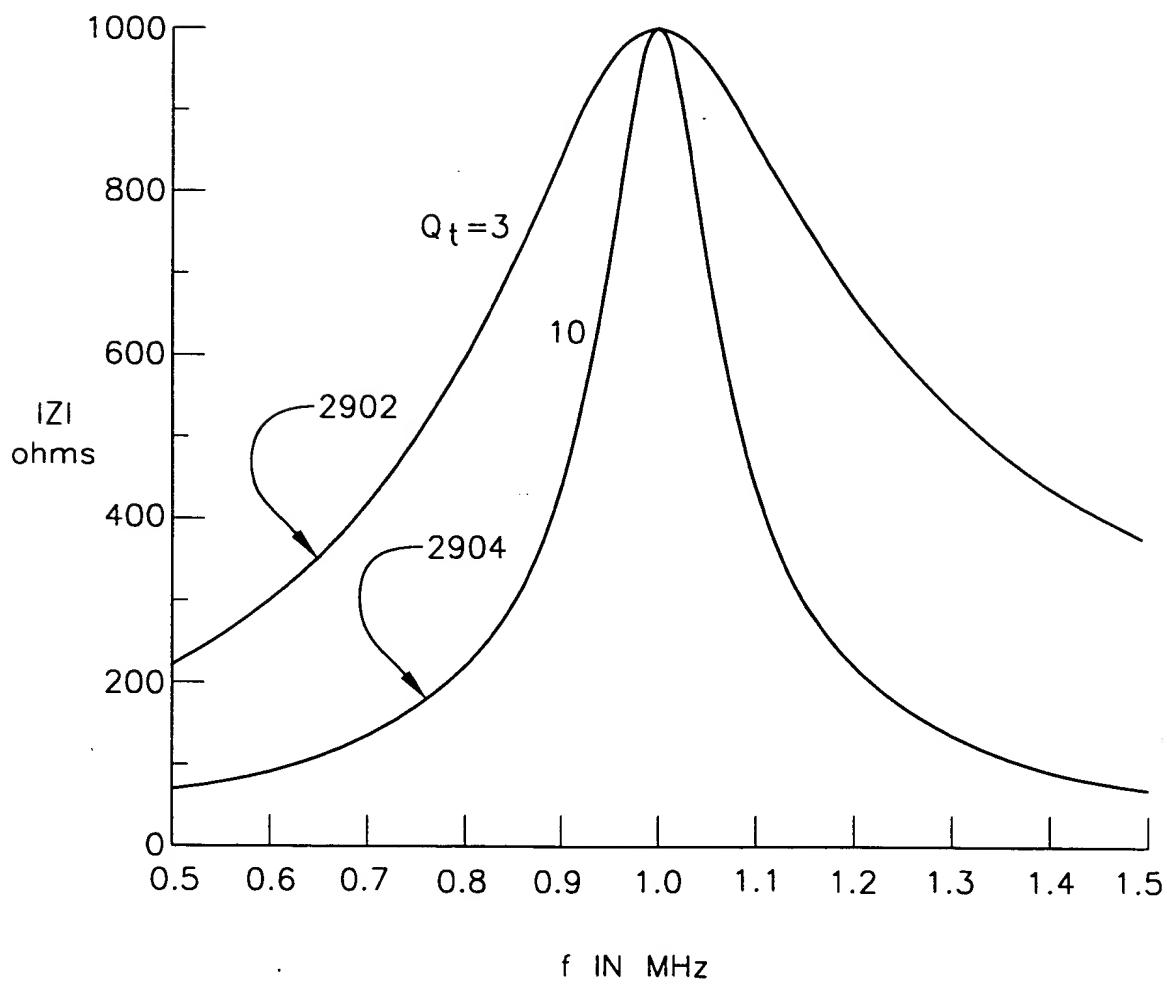


FIG.30

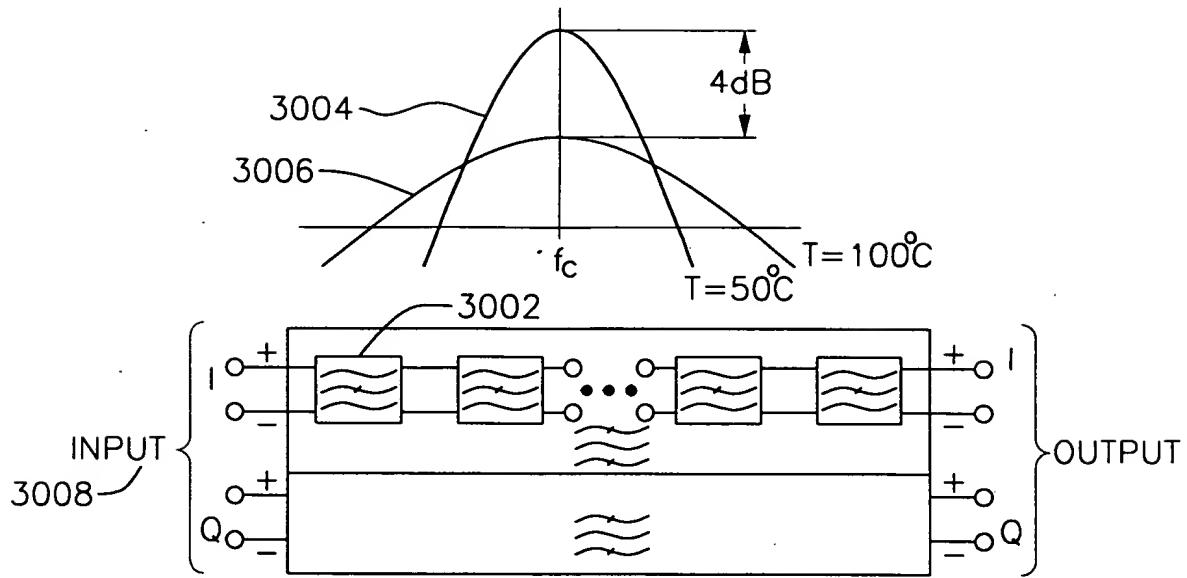


FIG.31

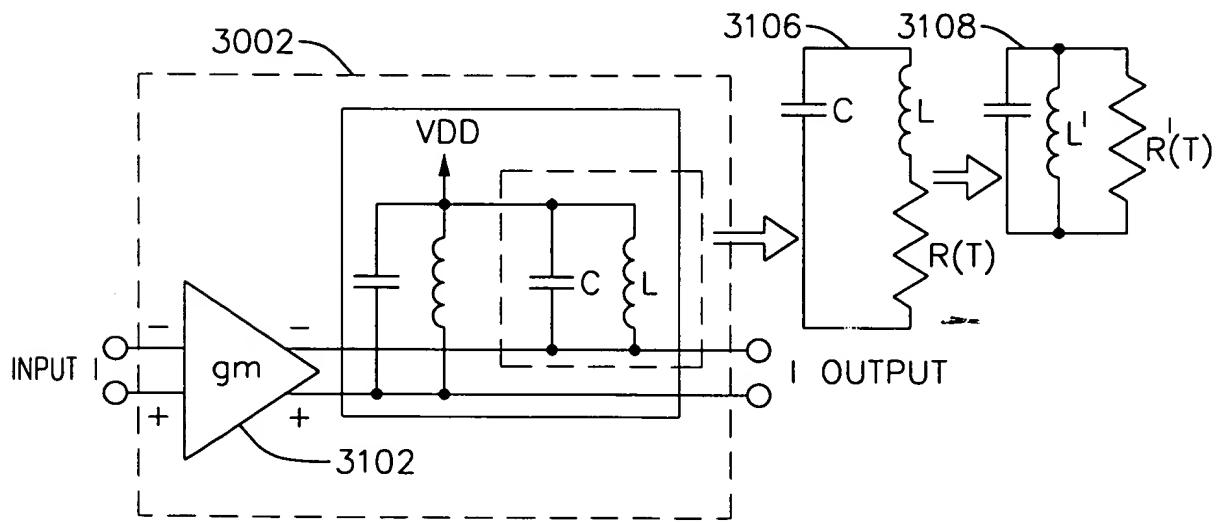
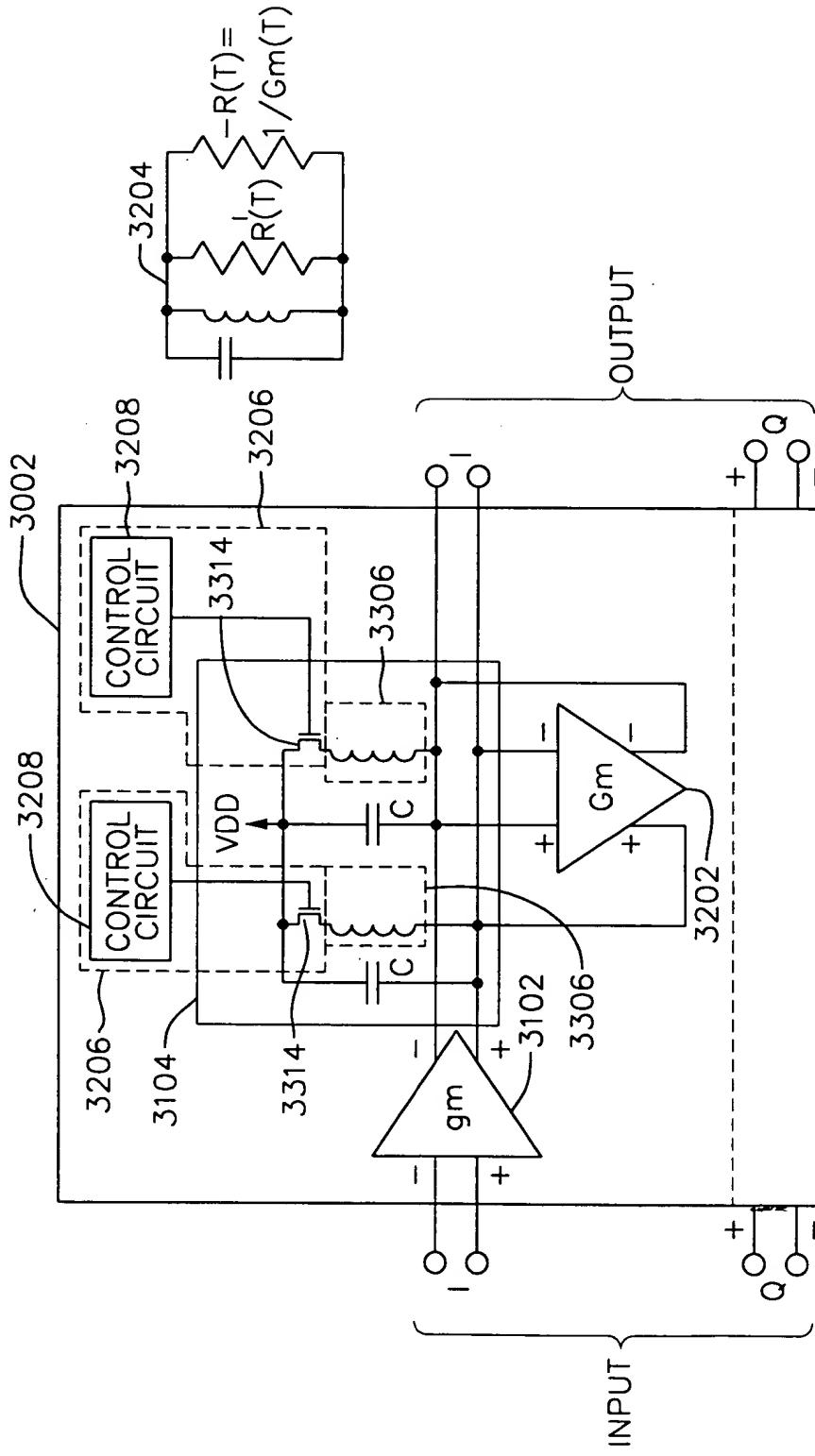
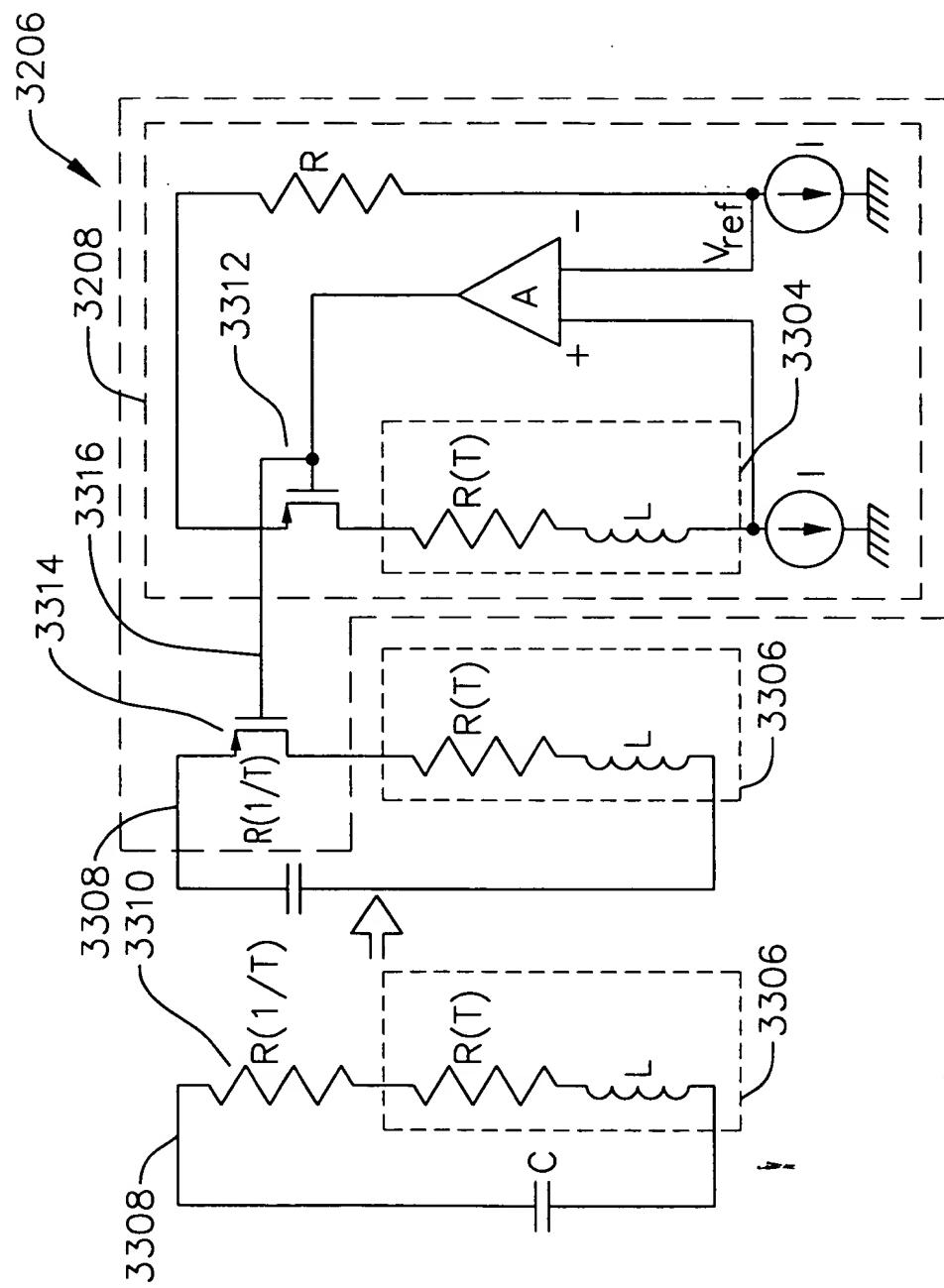


FIG. 32



TOP SECRET // EYES ONLY

FIG. 33



09766048-031901

FIG.34

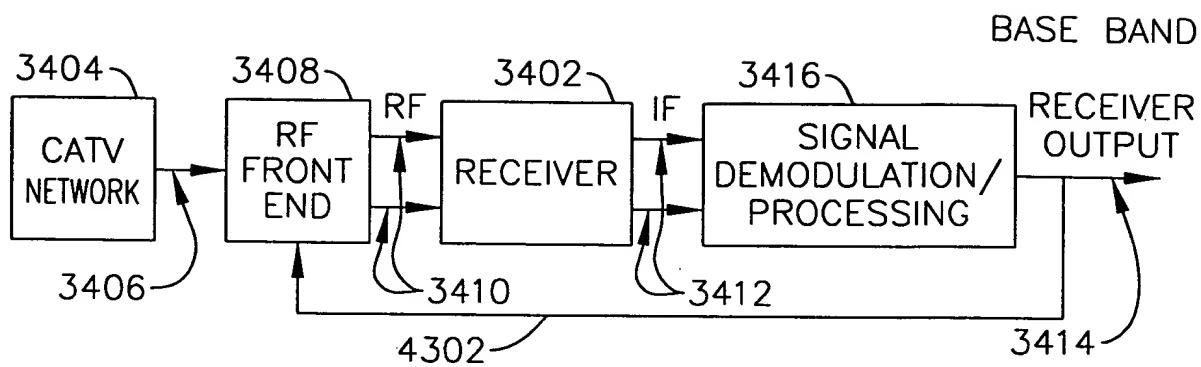
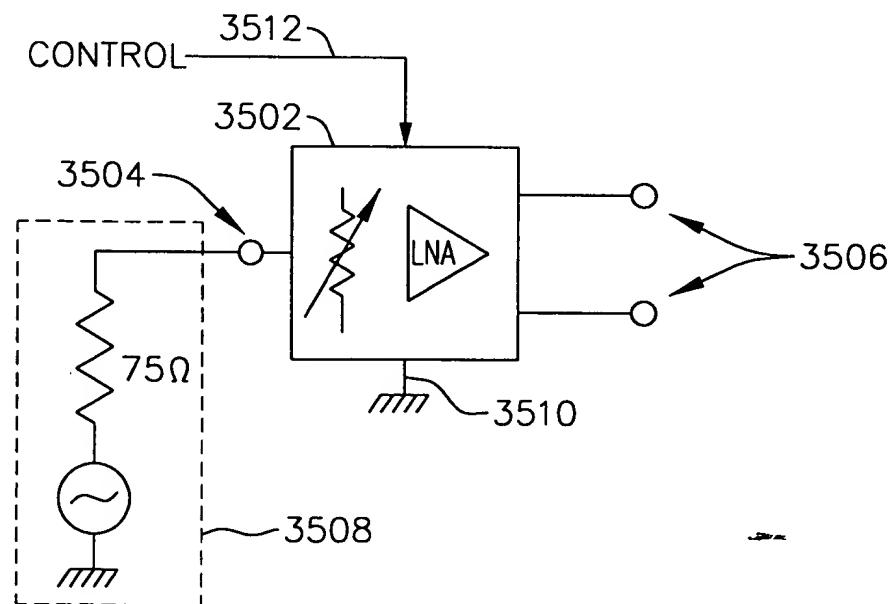
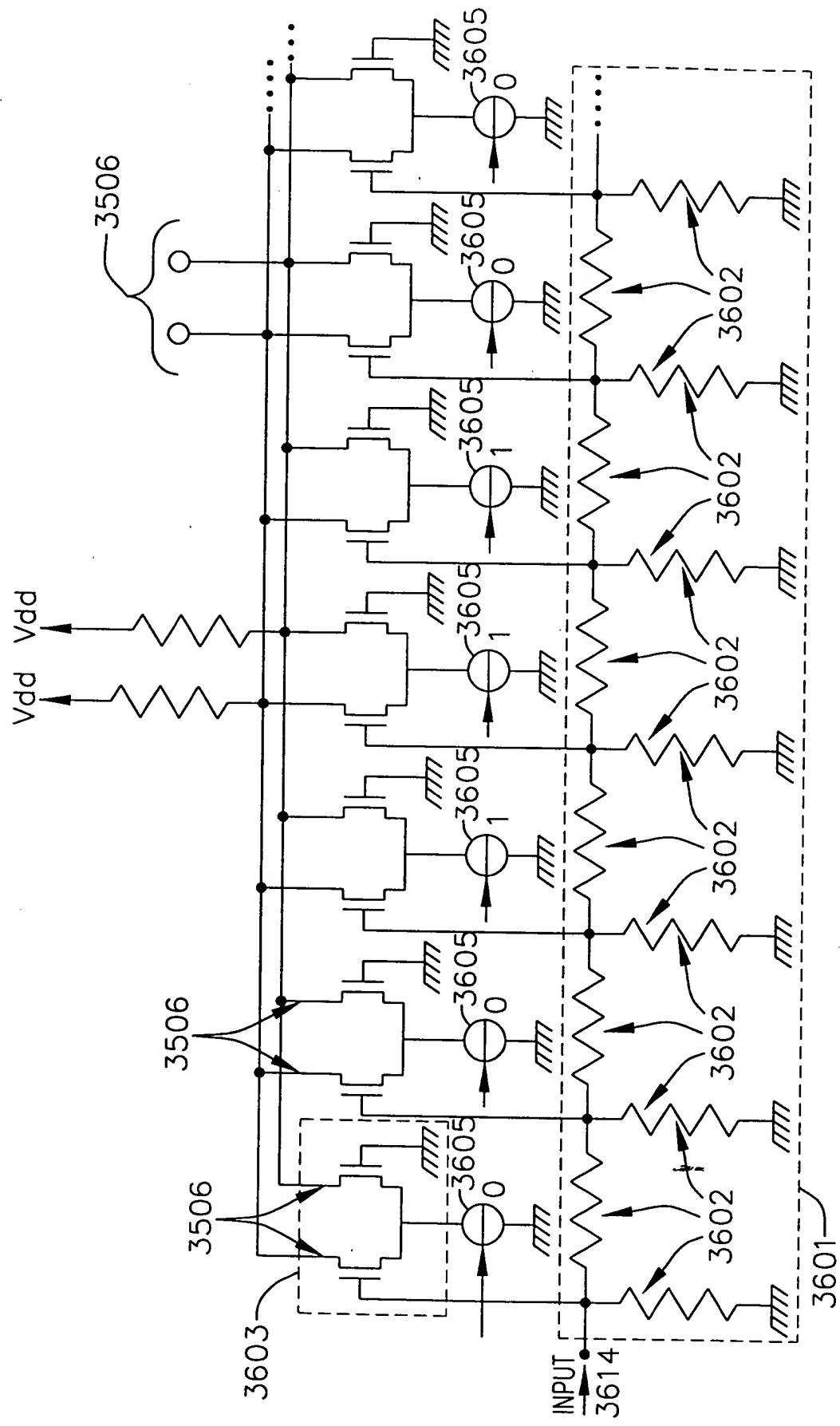


FIG.35



TOP SECRET // EYES ONLY 3260

FIG. 36



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FIG. 37

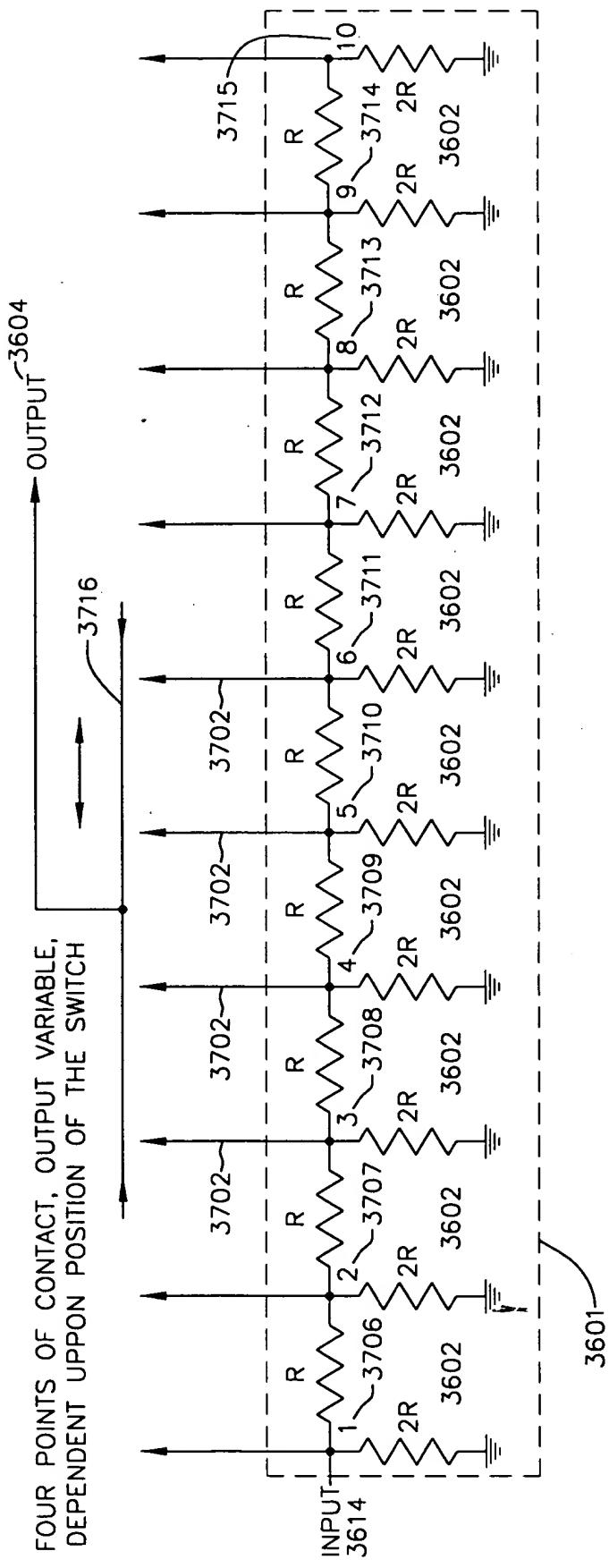


FIG. 38

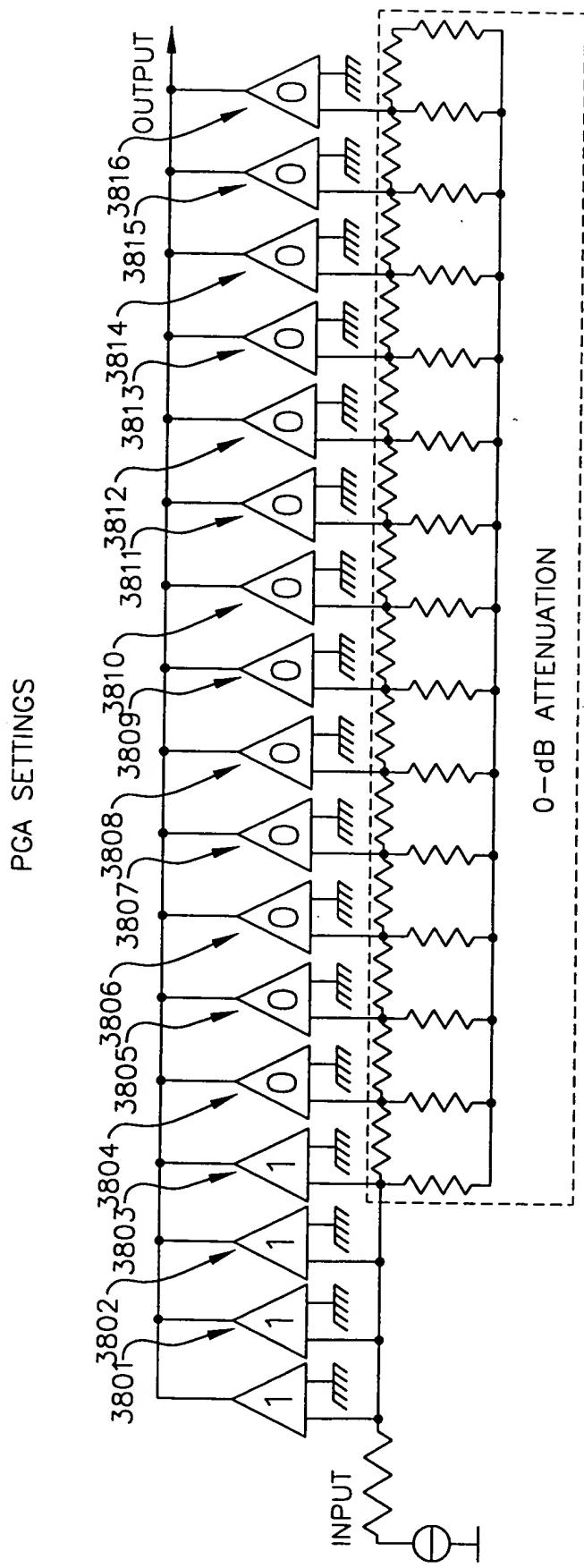


FIG. 39

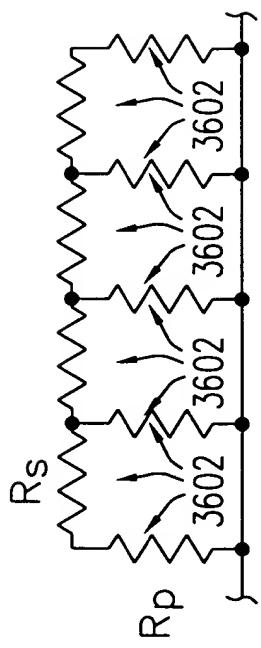


FIG. 40

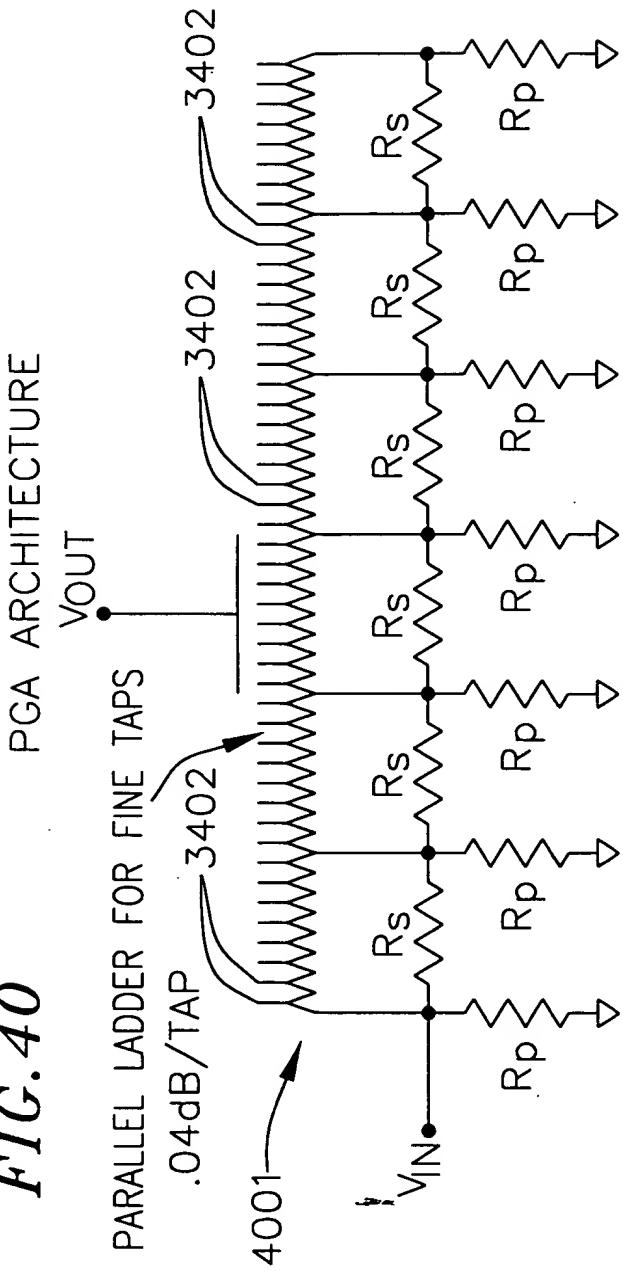


FIG. 41

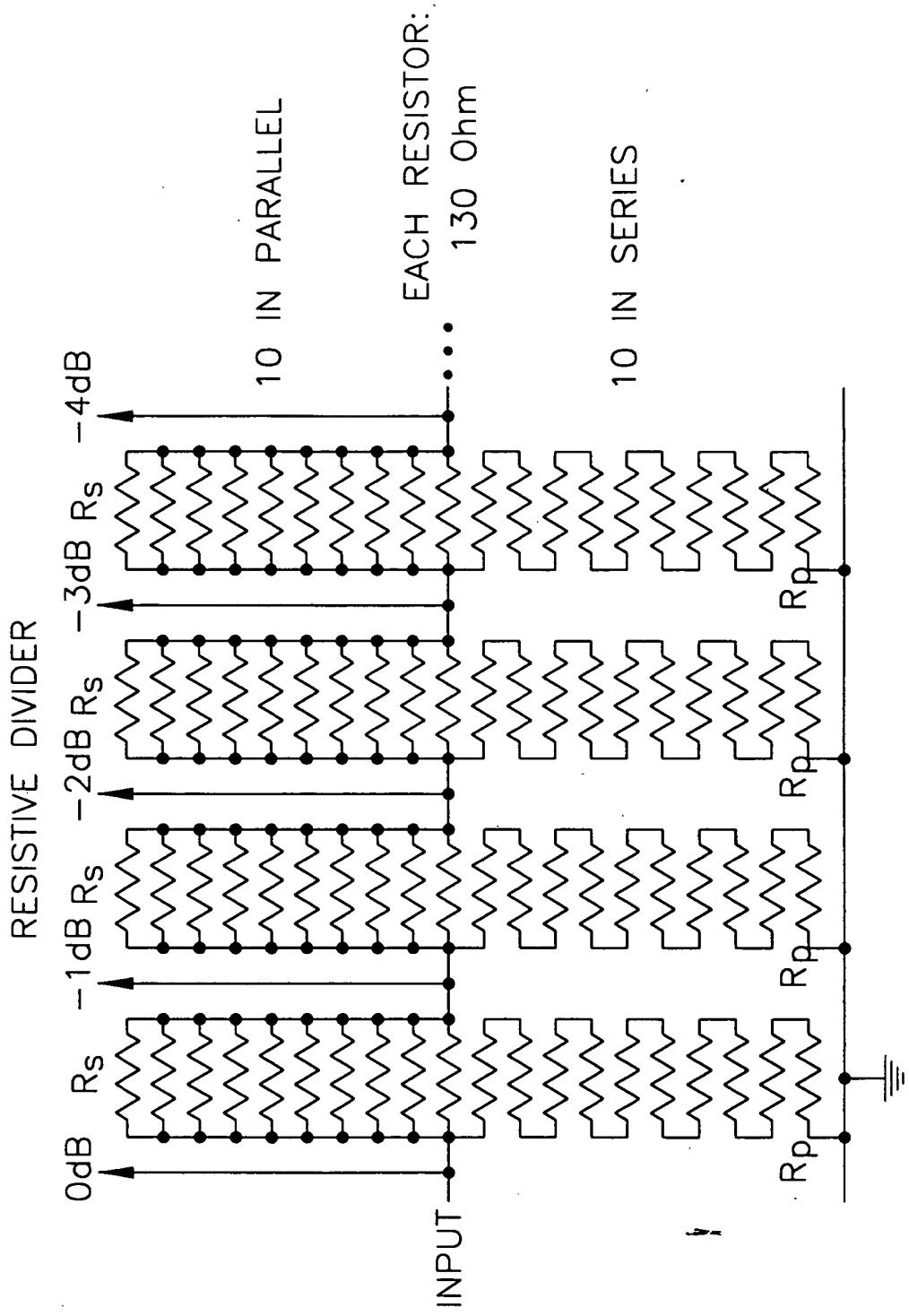


FIG. 42

NON-MONOTONICITY

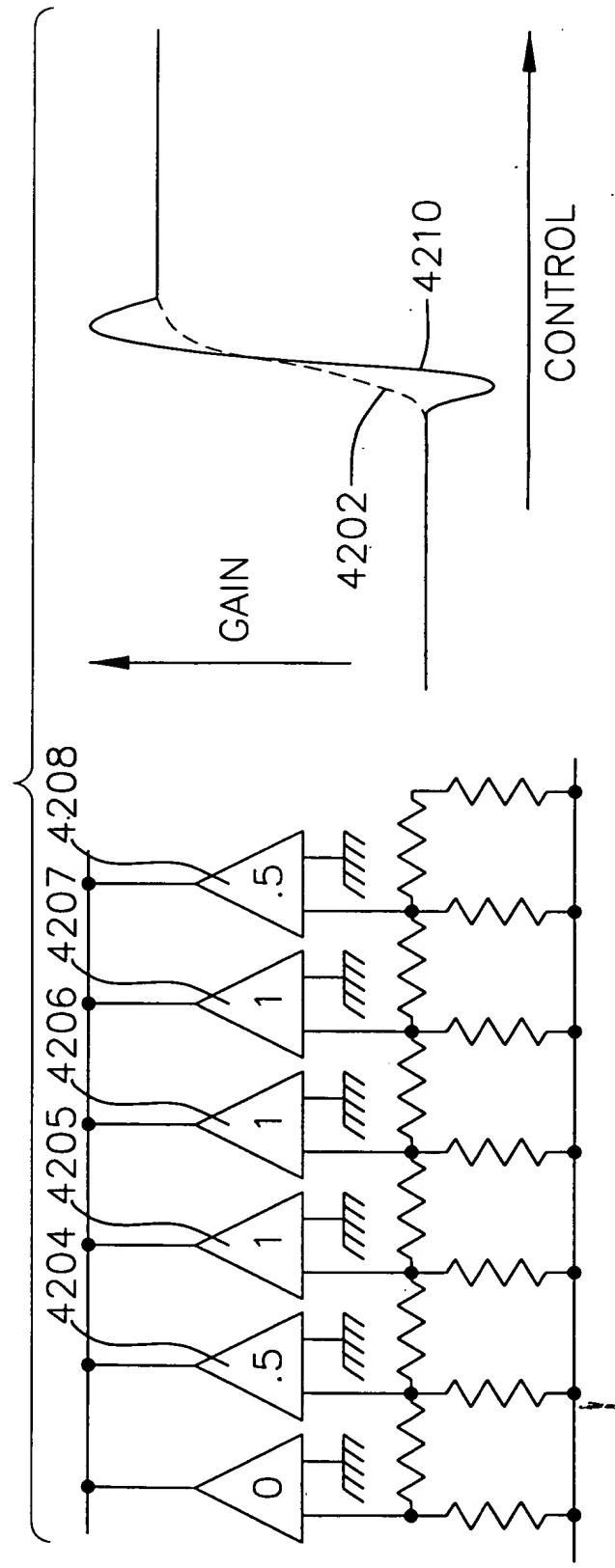


FIG. 43

CLAMPING CONTROL RANGE

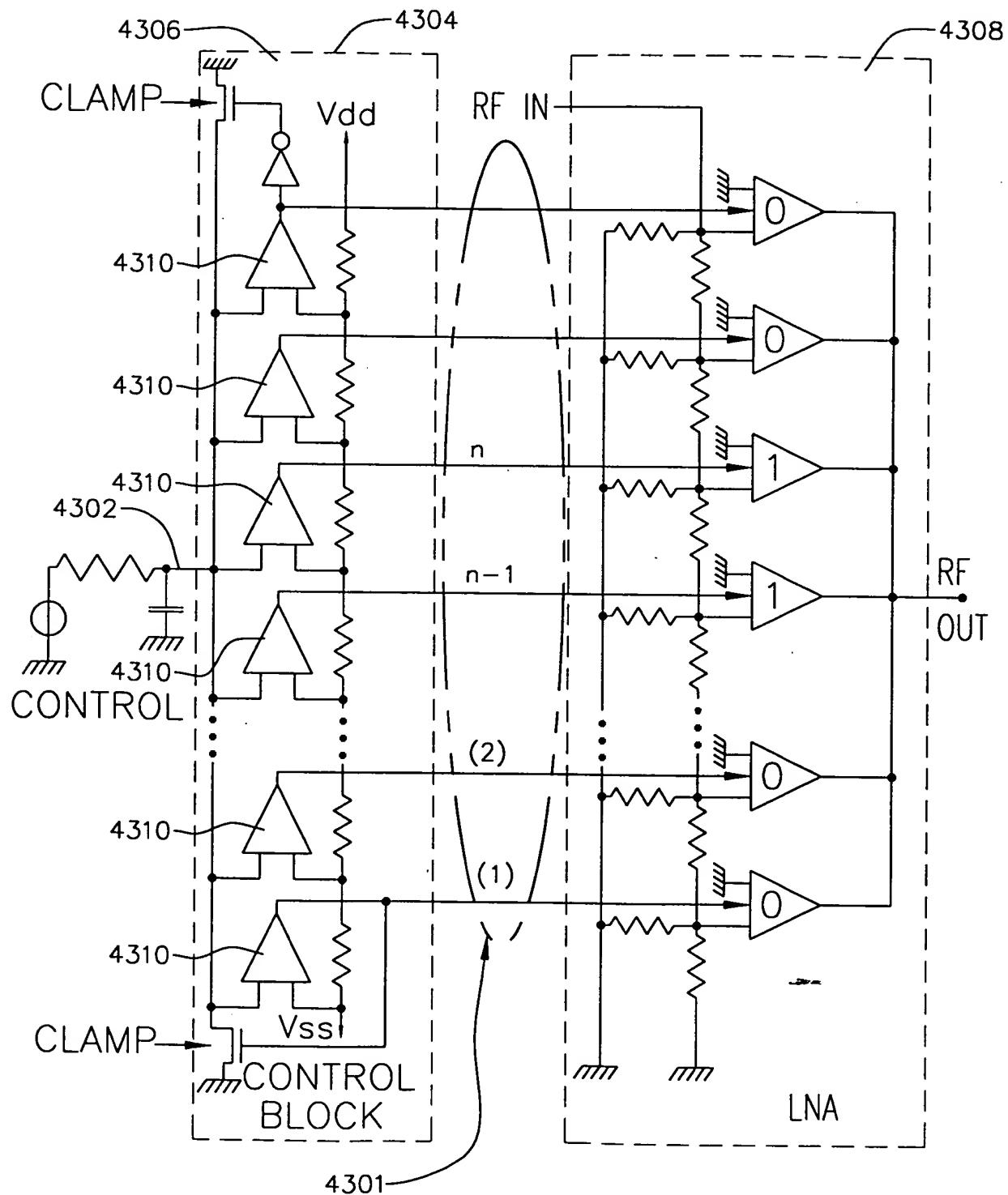
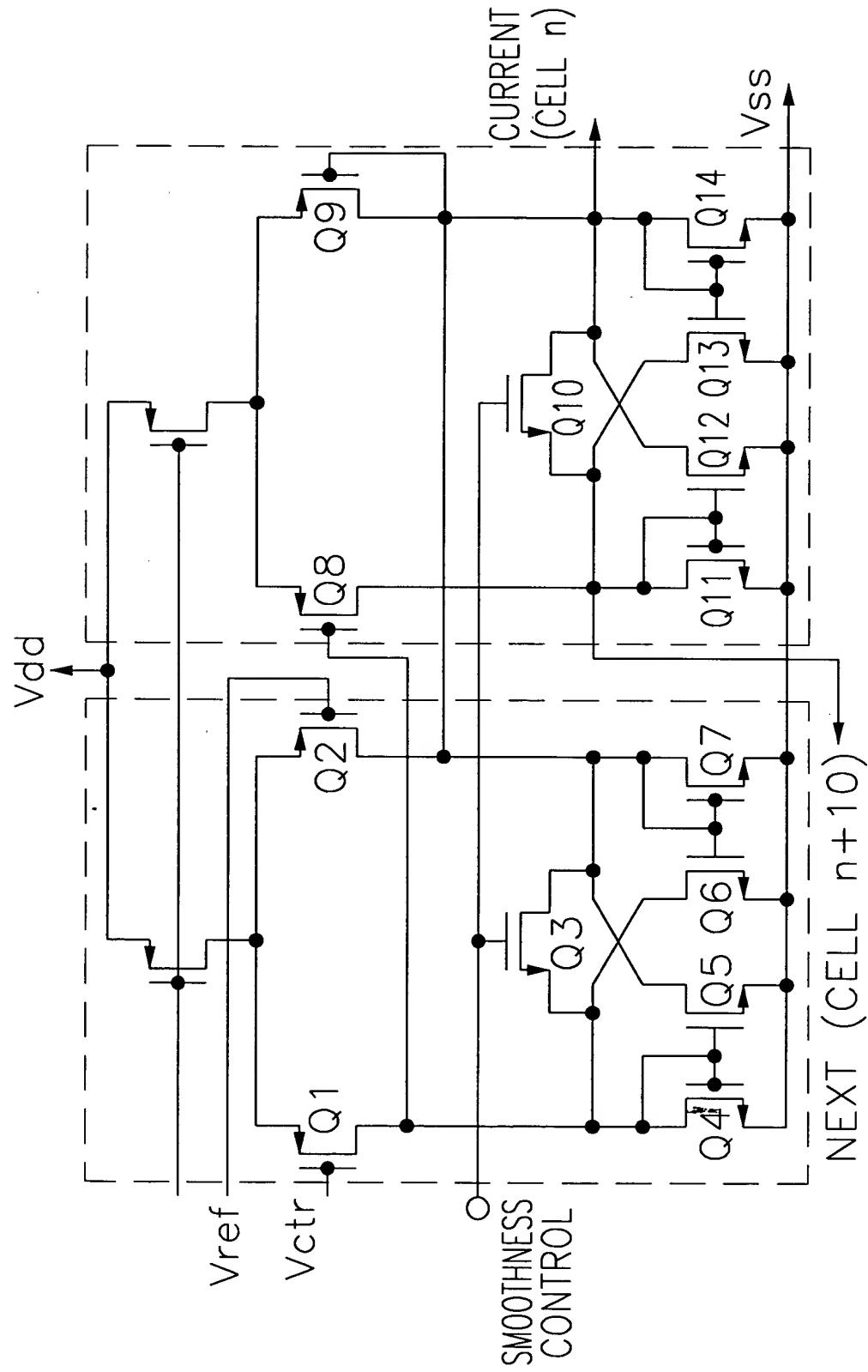


FIG. 44a
CONTROLLED GAIN COMPARATOR



TODAY'S DATE " 8/4/09 2:50 PM

FIG. 44b

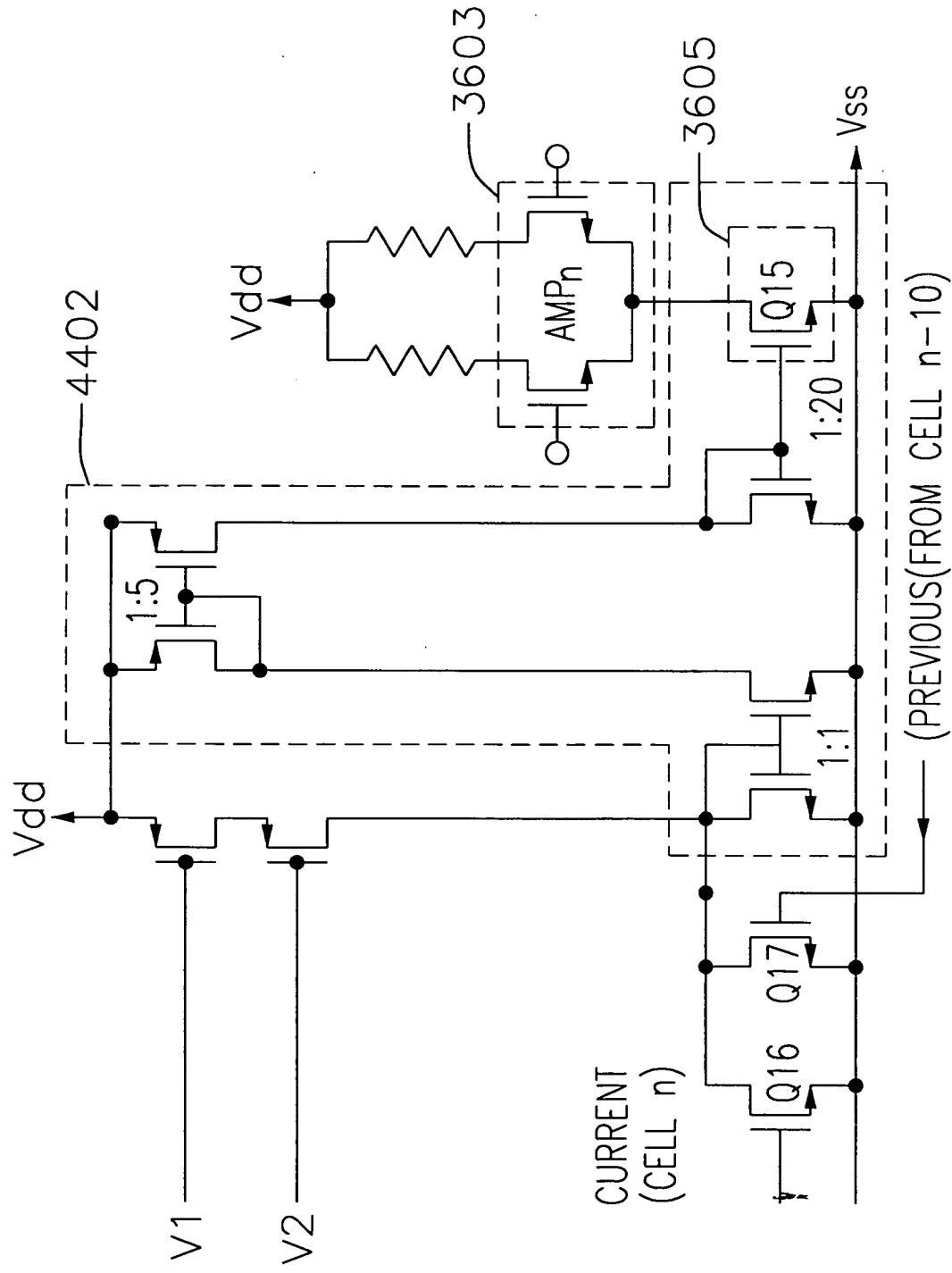


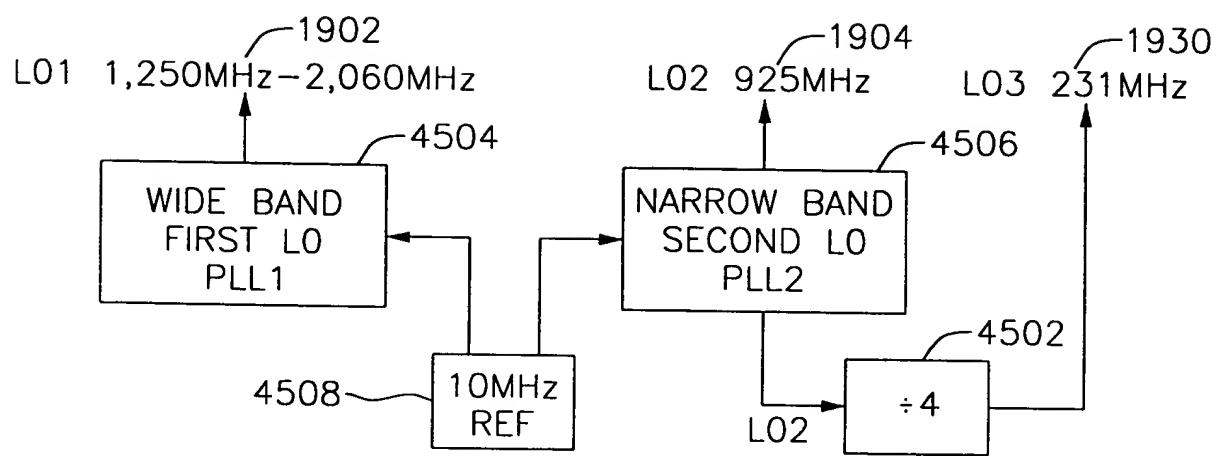
FIG. 45

FIG. 46

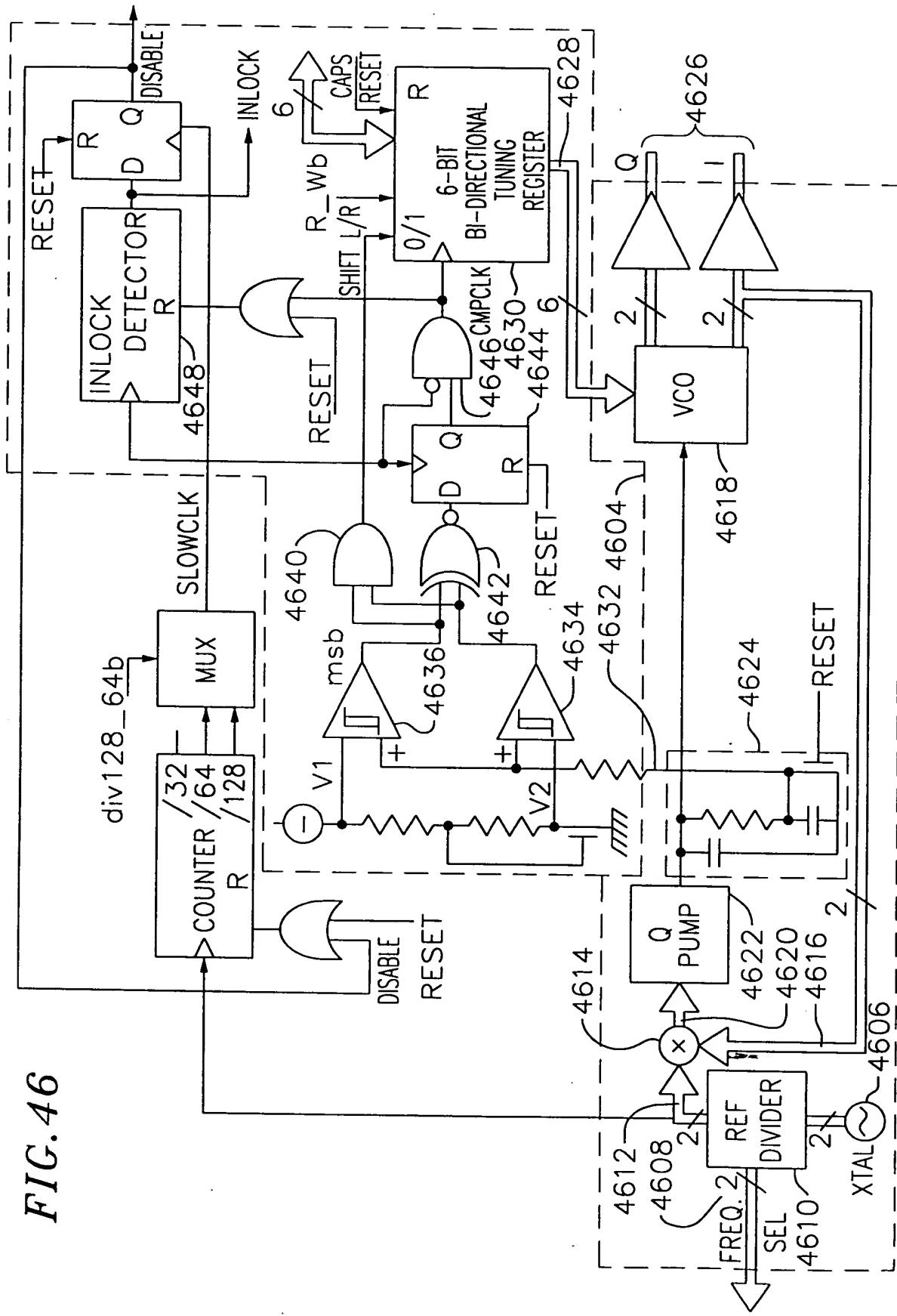
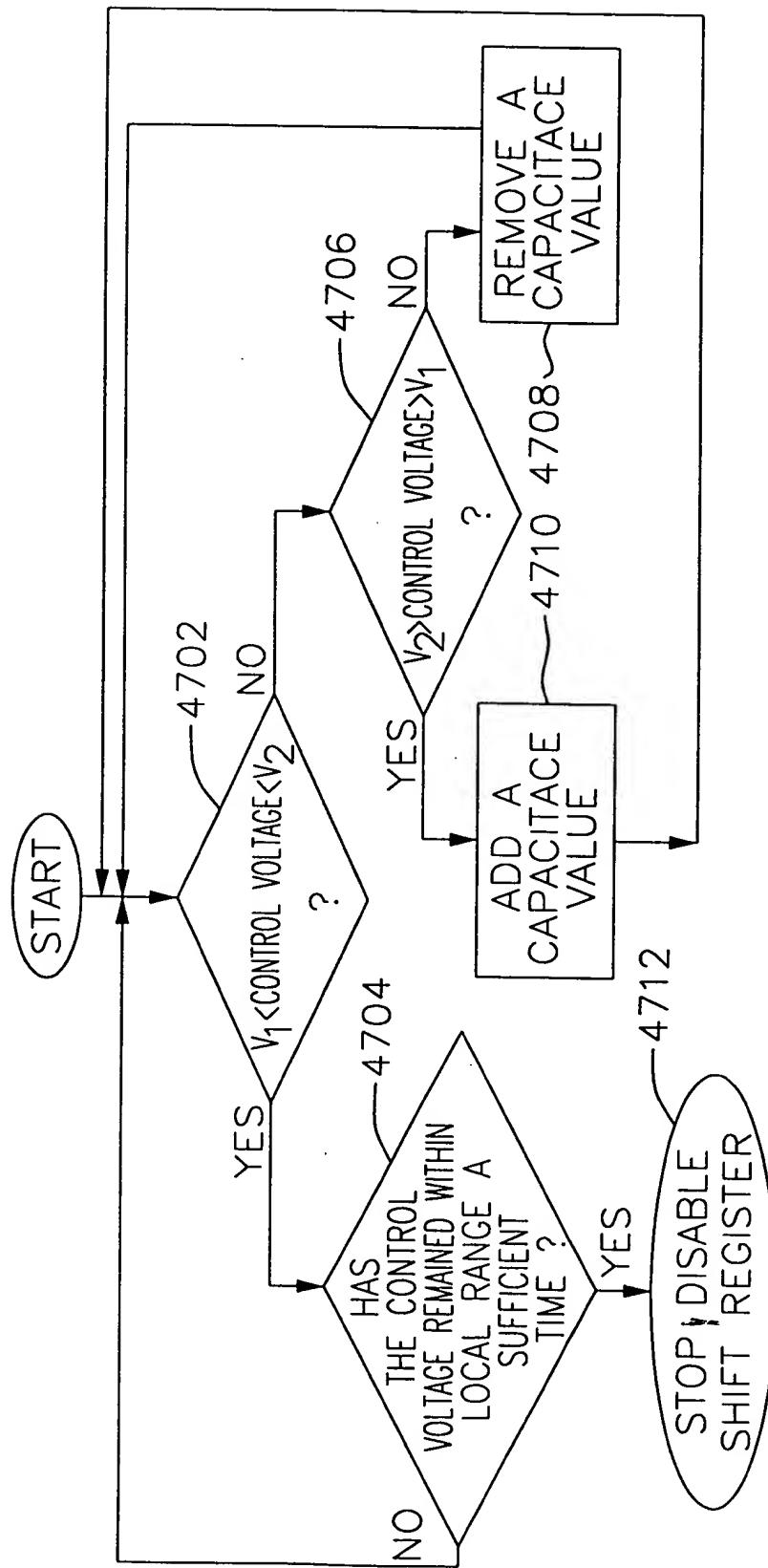


FIG. 47



アガリクス

FIG. 48

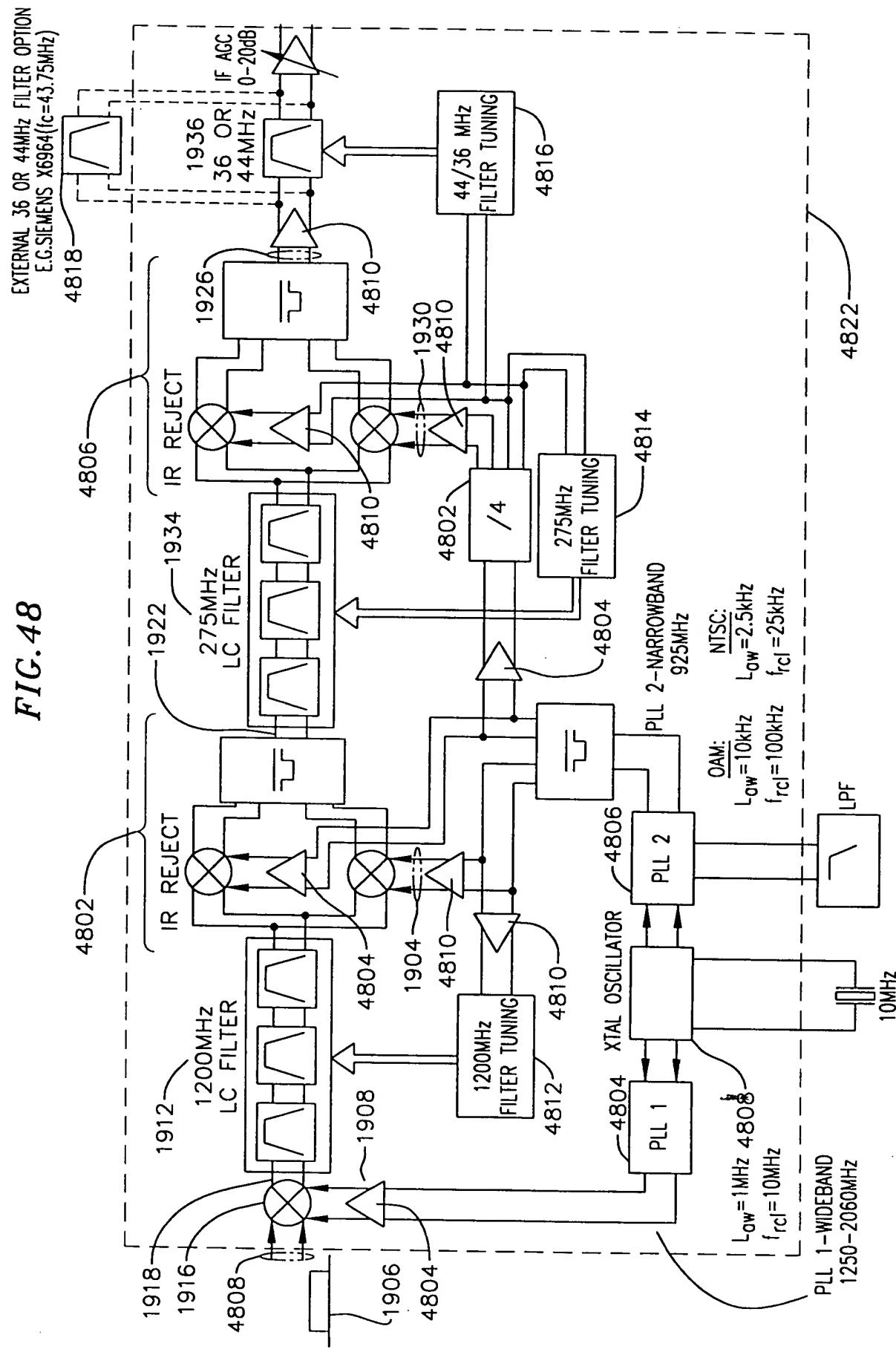


FIG. 49

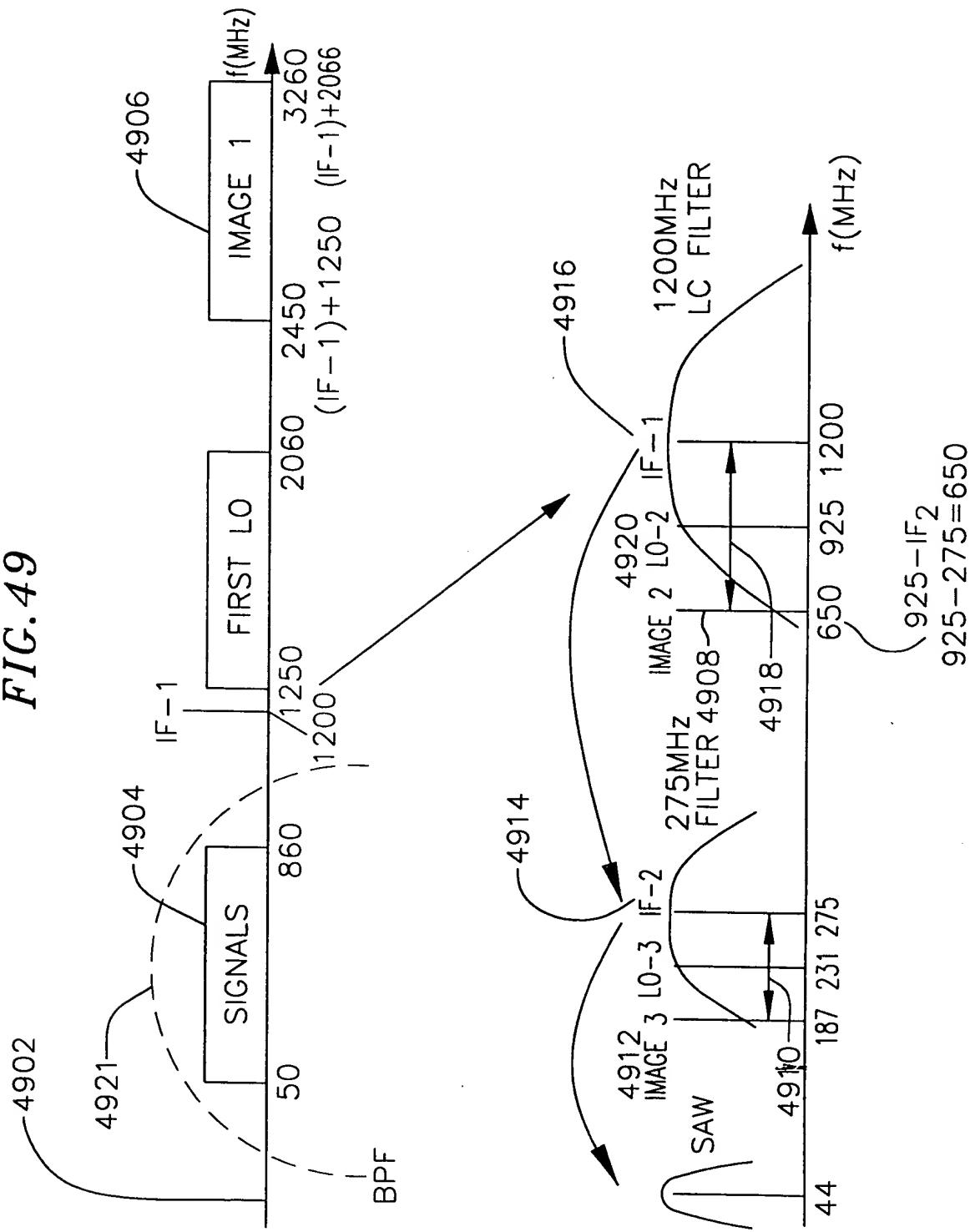
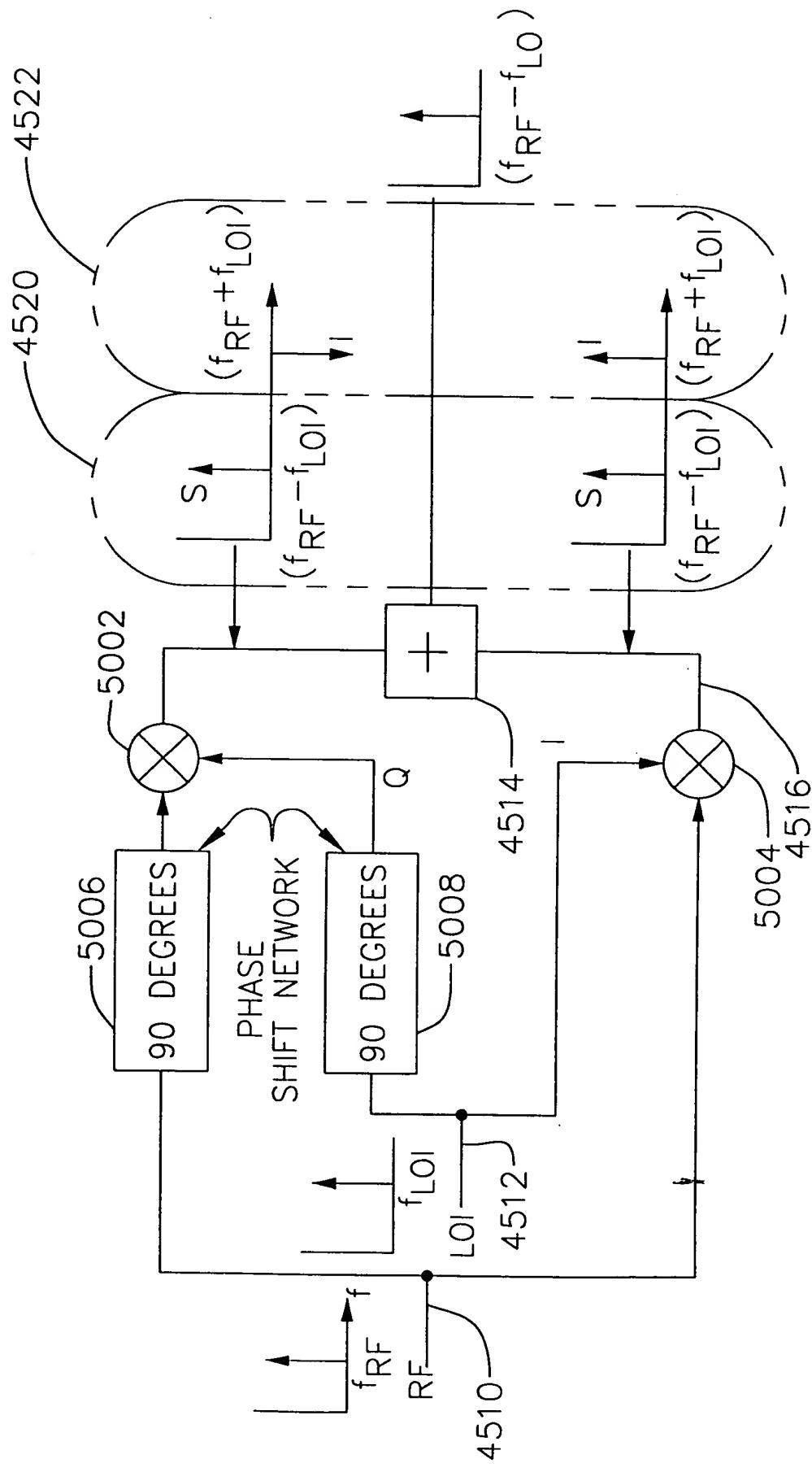


FIG. 50



TOOTFOO "SHOOTING GUN"

FIG. 51

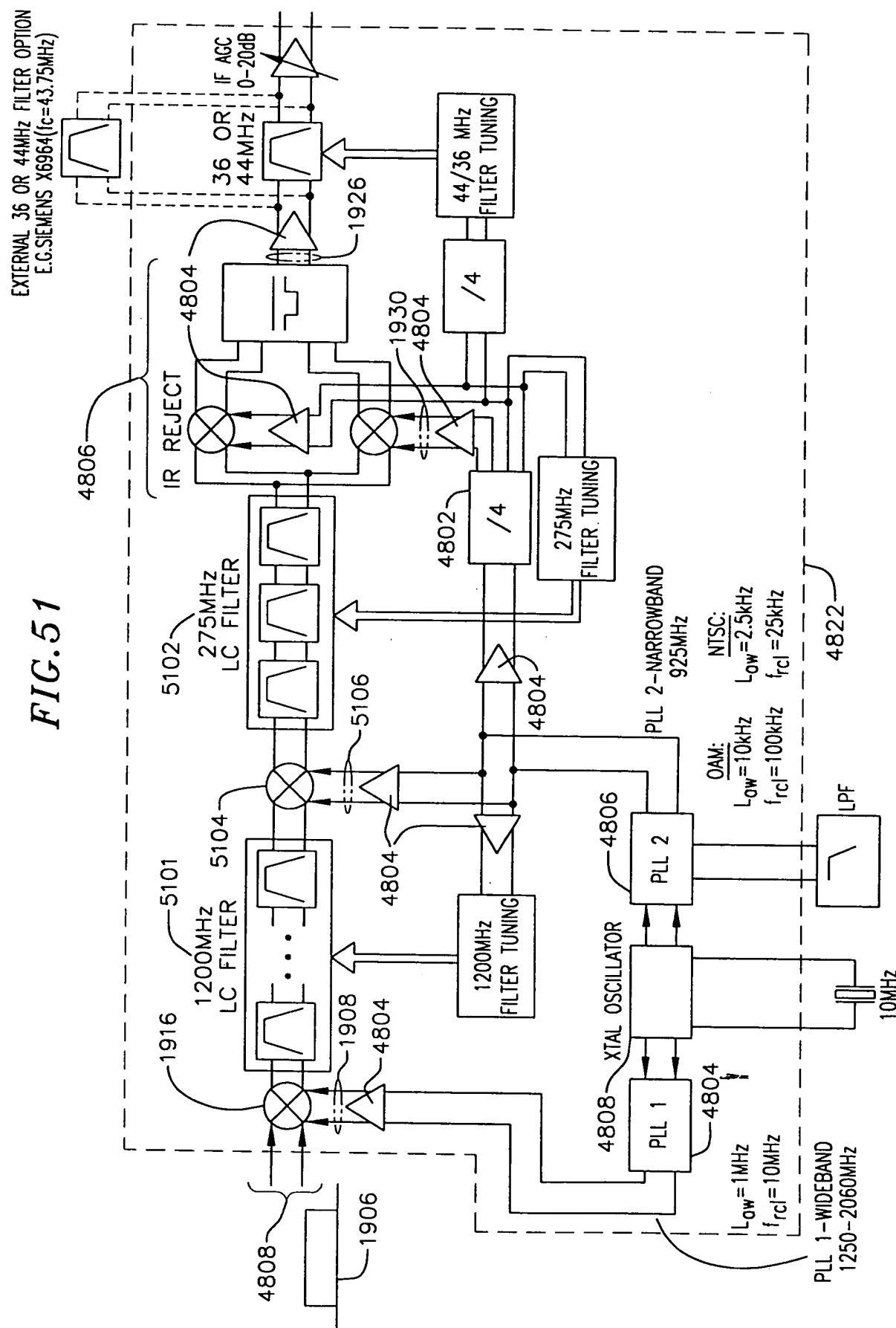


FIG. 52

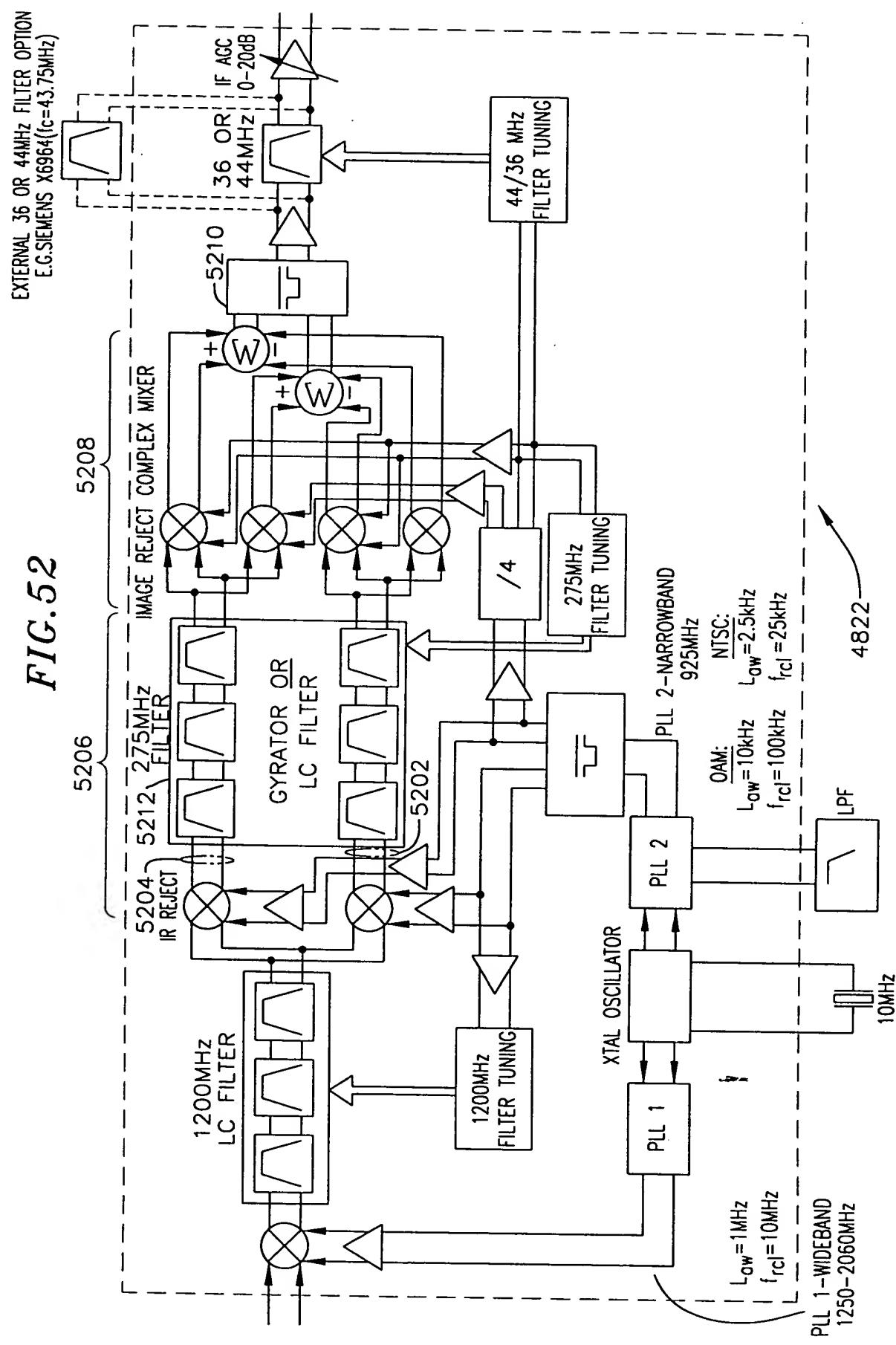


FIG.53
CATV TUNER

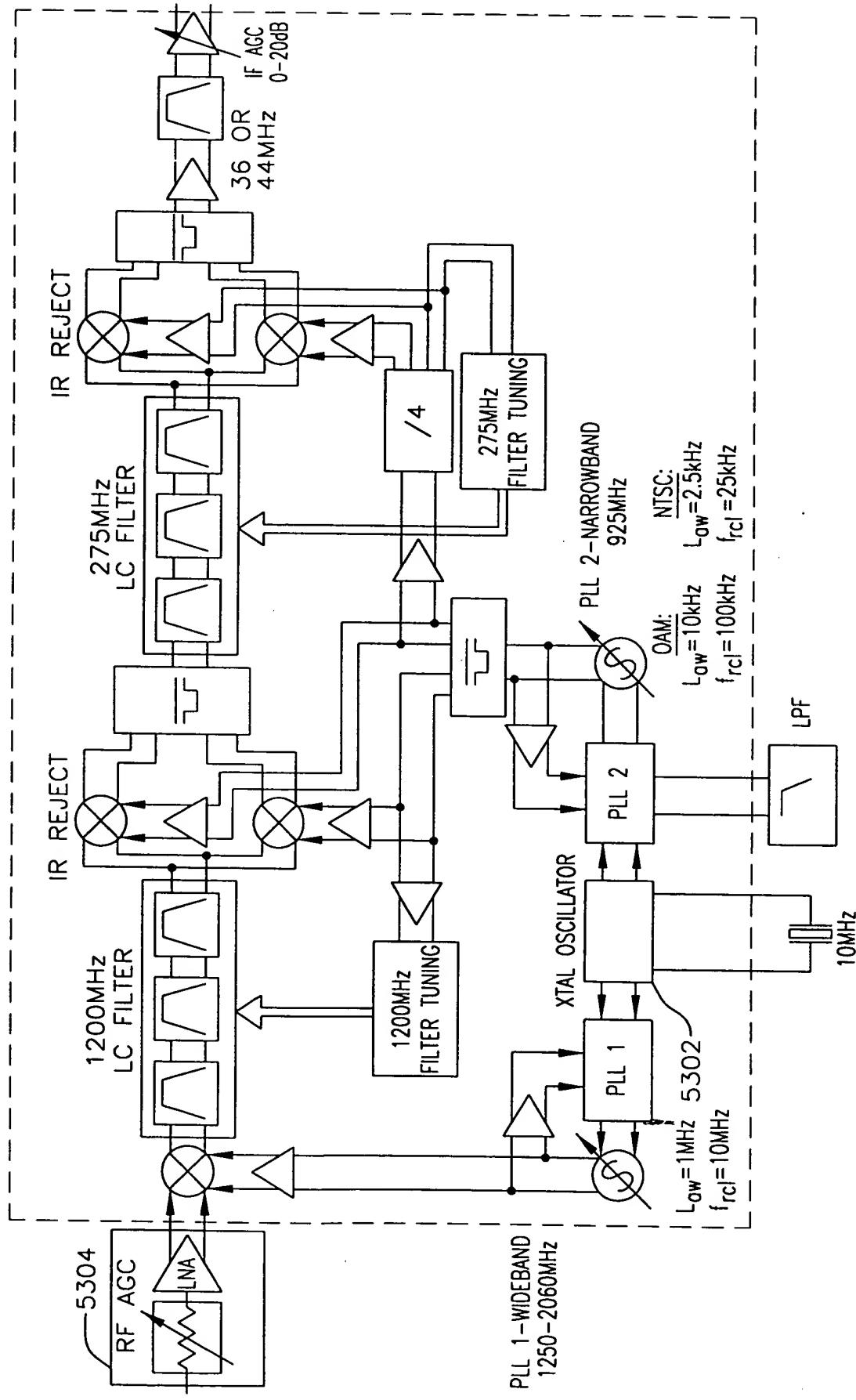
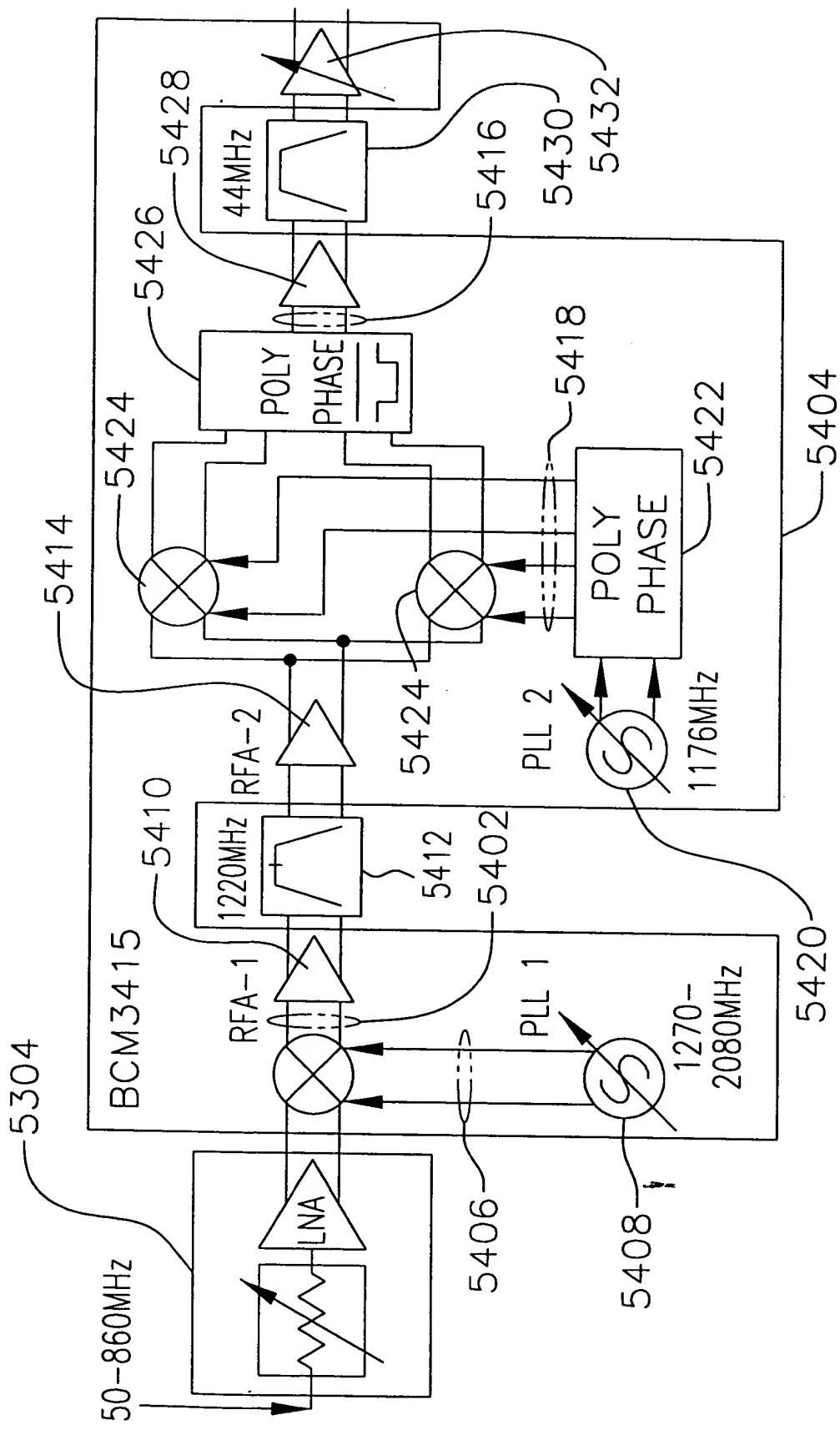
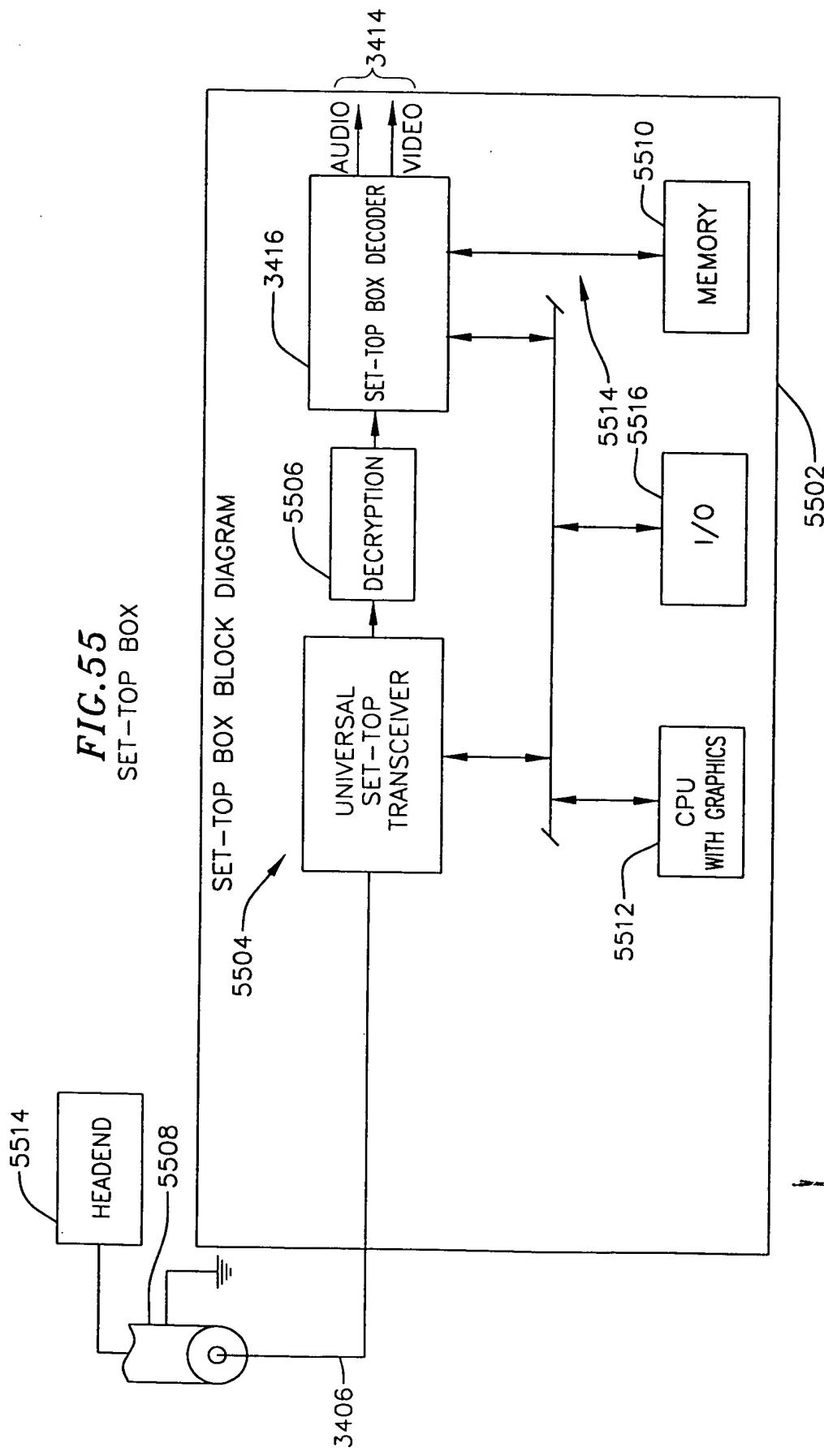


FIG. 54





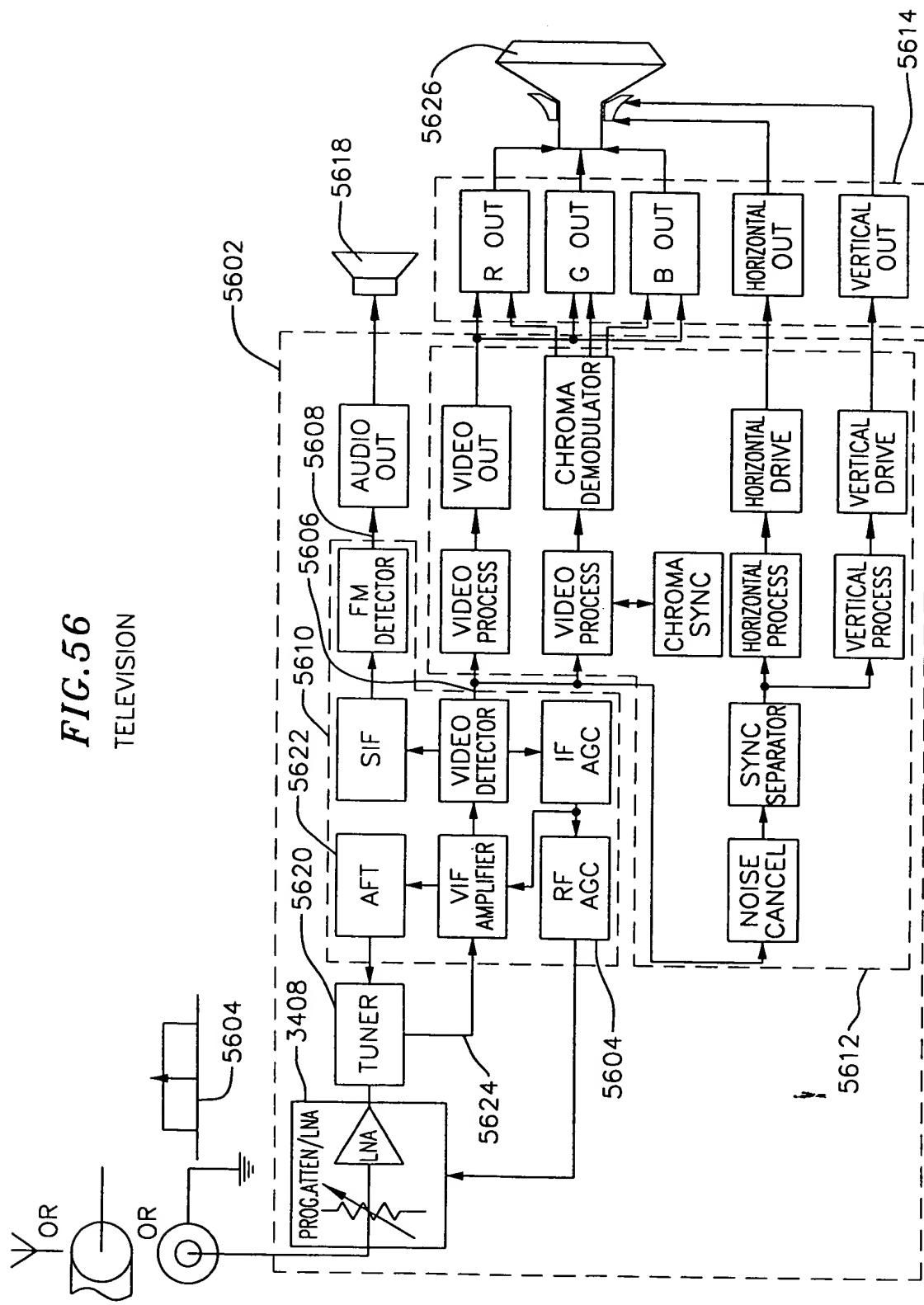


FIG. 57
VCR BLOCK DIAGRAM

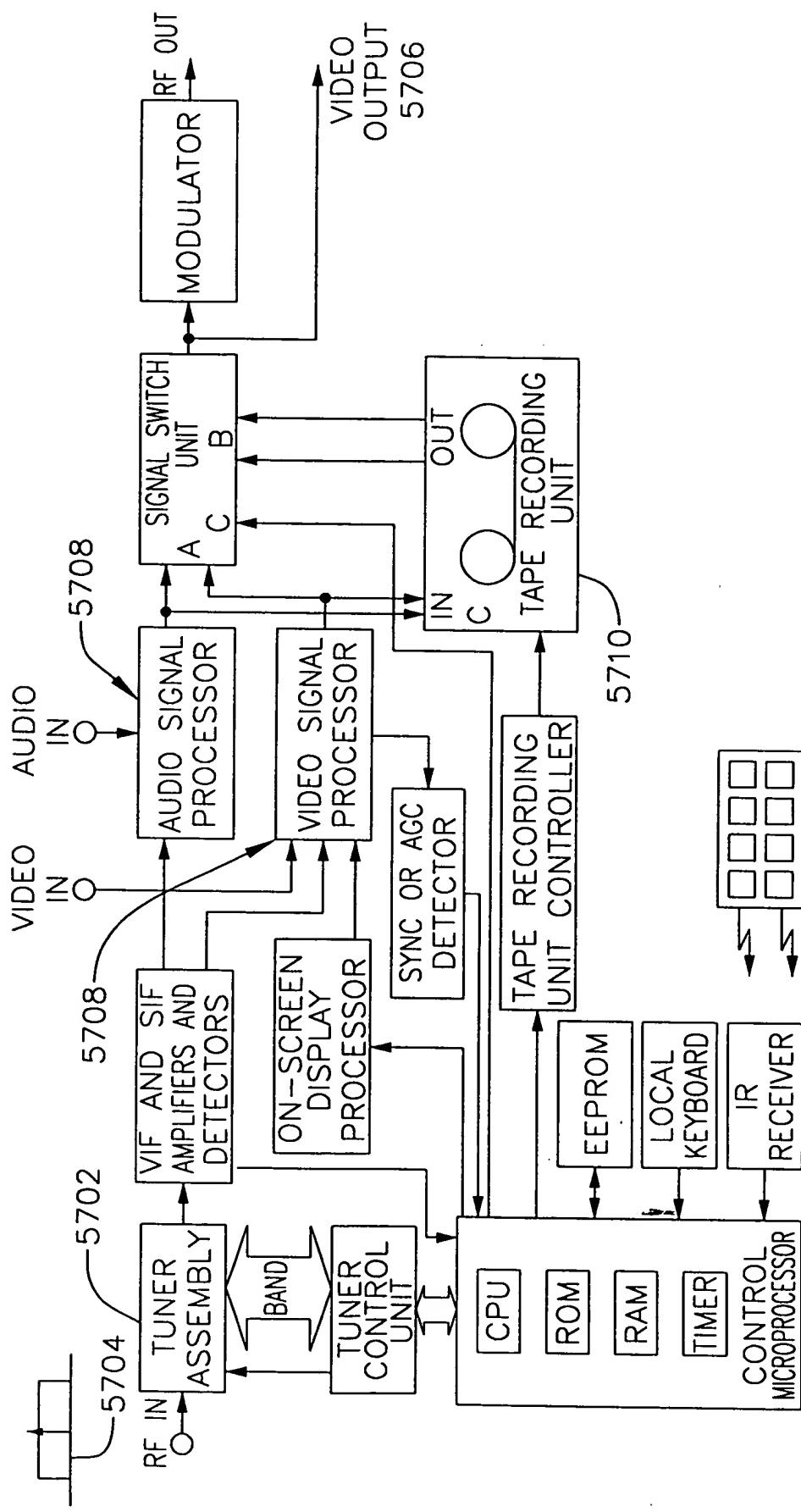


FIG. 58

